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Data Record of Adult Sockeye Salmon Counts and Biological Data Collected at the Docee River Fence and From the Area 10 Commercial Fishery, 1993-1996

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DATA RECORD OF ADULT SOCKEYE SALMON COUNTS AND BIOLOGICAL DATA COLLECTED AT THE DOCEE RIVER FENCE AND FROM THE AREA 10 COMMERCIAL FISHERY, 1993-1996

by

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ABSTRACT

Bachen, S. K., D. T. Rutherford, and R. D. Goruk. 1997. Data record of adult sockeye salmon counts and biological data collected at the Docee River Fence and from the Area 10 commercial fishery, 1993-1996. Can. Data Rep. Fish. Aquat. Sci. 1025: 47 p.

This report is a description of the Docee River Fence sockeye enumeration program conducted by Fisheries and Oceans Canada for the years 1993-1996. The Docee River Fence data includes daily and cumulative sockeye salmon counts, length, sex, and age data from sockeye salmon sampled at the Docee River Fence. Daily water levels and weather conditions taken at the Docee River Fence are also reported. Sockeye catch and biological data from the Area 10 commercial fishery is reported. These data include numbers caught, age composition for the years 1993 to 1996, as well as limited data on length and weight and prevalence of the parasite *Myxobolus arcticus* in sockeye salmon samples from the Area 10 commercial fishery in 1996.

RÉSUMÉ

Bachen, S. K., D. T. Rutherford, and R. D. Goruk. 1997. Data record of adult sockeye salmon counts and biological data collected at the Docee River Fence and from the Area 10 commercial fishery, 1993-1996. Can. Data Rep. Fish. Aquat. Sci. 1025: 47 p.

Les auteurs décrivent le programme de dénombrement du saumon rouge à la barrière de la Docee, mené par Pêches et Océans Canada entre 1993 et 1996. Les données obtenues comprennent les dénombrements quotidiens et cumulatifs de saumon rouge, les données sur la longueur, le sexe et l'âge des saumons rouges échantillonnés à la barrière de la Docee. Les auteurs précisent également les conditions météorologiques et les niveaux d'eau quotidiens à cet endroit. Ils mentionnent les données sur les captures et les données biologiques sur cette espèce dans la pêche commerciale de la zone 10. Ces données comprennent le nombre de saumons capturés, la composition selon l'âge entre 1993 et 1996, ainsi que certaines données sur la longueur et le poids et la fréquence du parasite *Myxobolus arcticus* dans les échantillons de saumon rouge prélevés, en 1996, dans cette même zone.

INTRODUCTION

The Docee River is located on the central coast of British Columbia in Fisheries and Oceans statistical Area 10 (Fig. 1). The Docee River is less than 1 km in length and drains Long Lake into Wyclees Lagoon which drains into Smith Inlet. The Docee River Fence is located at the outlet to Long Lake.

Prior to 1963, sockeye escapements to Long Lake were estimated from visual surveys of Smokehouse and Canoe creeks. In 1963 a count of sockeye entering Long Lake was conducted from a tower on the Docee River as an experimental program to provide timely escapement estimates for in-season management of the Area 10 commercial salmon fishery (Wood 1970). After a lapse of four years the tower count was again operational for 1968, 1970 and 1971. A permanent counting facility was constructed and operational for the 1972 return year.

The Docee River counting fence has been in operation since 1972 and has provided reliable estimates of sockeye salmon escapement to Long Lake (Bachen et al. 1988a; 1988b; Thomson and Goruk 1988; Winther et al. 1989; 1990; 1991; 1992a; 1992b). In addition to providing post season sockeye escapement estimates, the Docee Fence is considered an important tool for the management of Area 10 sockeye salmon. Fisheries managers use in-season sockeye salmon counts past the fence in combination with the commercial catch data for in-season management of the Area 10 salmon fishery.

METHODS

The Docee Fence is constructed of steel "I" beam which holds aluminum fence panels in place. The fence structure is approximately 32m long and 7.5m high (Fig. 2). For sockeye enumeration a fence panel is raised and fish are visually counted as they pass through the fence opening. A section of white expanded metal is attached to the bottom of the panel frame to provide a contrasting surface for visual counting. The observation area for counting is located approximately 7m above the Docee River (Fig. 2).

The Docee Fence is normally operational from the end of June through to the second week of August. Fish are counted during daylight hours only. During darkness the fence is closed keeping migrating sockeye below the structure. Actual hours of counting is dependent on the magnitude of the run. Sockeye counts are recorded daily (Tables 1 & 2) and reported to the fishery managers. Final fence count is reported along with an estimated final escapement. The final estimated escapement is usually higher than the actual fence count because the estimated escapement includes an estimated correction for sockeye bypass.

Biological samples from sockeye salmon are collected at the Docee Fence. No trap facilities are built into the fence structure, therefore, biological samples are taken from carcasses and by dipnetting live sockeye from behind the fence. Dipnetted sockeye are sampled for length and scales then live released on the upstream side of the fence. In addition, otoliths are taken from moribund fish that drift back onto the fence panels. The biological data collected from sockeye salmon for the years 1993 to 1996 are reported in Table 3. Age composition summaries are reported in Table 4.

Docee Fence counts have been reconstructed to provide estimates of run timing at the fence had a commercial fishery not occurred. For the reconstruction, sockeye catch from field catch data has been added to the observed escapement count after lagging to account for the estimated migration time from the commercial fishing areas to the Docee Fence. The formula used by fisheries managers (and reproduced here) is to add 10% of the catch on day i to the fence count at day i+2, 20% at day i+3, 40% at day i+4 and the remaining 30% at day I+5. Reconstructed fence counts are reported in Table 1. Run timing curves using the reconstructed fence counts are plotted in Figure 3.

The Area 10 commercial fishery is sampled annually for age composition (Table 6). The majority of samples are taken from sockeye salmon as they are unloaded onto fish packing vessels. Ages from the commercial fishery are determined from scales only. Fork length and total weight data were collected from sockeye salmon during the 1996 commercial fishery (Table 7). Numbers and species of salmon caught in the Area 10 commercial gillnet fishery are summarized in Tables 5a and 5b. The daily commercial catch from field catch data collected and maintained by Fisheries and Oceans, Operations Branch (L. Enderud, Bella Coola;R. Goruk, Prince Rupert) is reported in Table 5a. Commercial sales slip catch data from the Regional Catch Database (Holmes and Whitfield 1991) is only available by week and is reported in Table 5b.

Sockeye salmon were sampled during the 1996 commercial fishery to determine whether they carried the brain parasite *Myxobolus arcticus* (Table 7). *Myxobolus arcticus* can be used as a biological marker for sockeye salmon stock identification (Wood et al. 1988, 1989) and has been used to distinguish between Rivers Inlet (Owikeno Lake) and Smith Inlet (Long Lake) sockeye (Quinn et al. 1987).

Weather and water staff gauge readings are recorded twice daily at the Docee Fence (Table 8). The staff gauge is located 1 m downstream of the Docee Fence. The average daily water level fluctuations at the Docee River Fence is plotted in Figure 4. A staff gauge reading of zero is approximately equal to a water depth of 1 m at the fish counting panel.

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Table 1a. Daily, cumulative and reconstructed sockeye salmon counts past the Docee Fence in 1993.

Date	Daily Count	Cumulative Count	Reconstructed Count	Sockeye Catch
26-Jun				
27-Jun				
28-Jun				
29-Jun	Fence In			
30-Jun	1	1	1	
01-Jul	2	3	3	
02-Jul	0	3	3	
03-Jul	0	3	3	
04-Jul	20	23	23	
05-Jul	533	556	556	6,907
06-Jul	163	719	719	6,138
07-Jul	19	738	1,429	
08-Jul	2,473	3,211	5,897	
09-Jul	2,168	5,379	12,055	
10-Jul	1,640	7,019	18,223	
11-Jul	5,714	12,733	25,778	
12-Jul	4,309	17,042	30,087	13,780
13-Jul	999	18,041	31,086	19,353
14-Jul	766	18,807	33,230	
15-Jul	6,692	25,499	44,613	
16-Jul	8,033	33,532	62,029	
17-Jul	5,357	38,889	79,261	
18-Jul	20,270	59,159	105,337	
19-Jul	10,697	69,856	116,034	26,734
20-Jul	16,225	86,081	132,259	
21-Jul	13,710	99,791	148,642	
22-Jul	9,649	109,440	163,638	
23-Jul	5,782	115,222	180,114	
24-Jul	416	115,638	188,550	
25-Jul	19,722	135,360	208,272	
26-Jul	14,118	149,478	222,390	18,113
27-Jul	3,858	153,336	226,248	11,018
28-Jul	1,767	155,103	229,826	10,658
29-Jul	9,628	164,731	244,179	
30-Jul	12,609	177,340	267,302	
31-Jul	4,571	181,911	283,846	
01-Aug	1,842	183,753	293,257	
02-Aug	9,744	193,497	306,198	
03-Aug	12,179	205,676	318,377	27,835
04-Aug	2,739	208,415	321,116	22,871
05-Aug	2,110	210,525	326,010	25,957
06-Aug	2,131	212,656	335,995	24,120
07-Aug	1,433	214,089	355,732	17,054
08-Aug	1,615	215,704	382,449	13,228
09-Aug	1,046	216,750	407,268	12,847
10-Aug	672	217,422	430,109	2,546
11-Aug	Fence out		448,097	3,849
12-Aug			461,328	1,050
13-Aug			471,330	1,280
14-Aug			477,077	1,548
15-Aug			479,718	470
16-Aug			481,704	1,509
17-Aug			482,887	
18-Aug			484,136	
19-Aug			485,090	
20-Aug			485,834	
Total Count		217,422	486,287	268,865
Estimated Escapement		220,000		

Table 1b. Daily, cumulative and reconstructed sockeye salmon counts past the Docee Fence in 1994.

Date	Daily Count	Cumulative Count	Reconstructed Count	Sockeye Catch
26-Jun				
27-Jun				
28-Jun				
29-Jun				
30-Jun	Fence in			
01-Jul	2	2	2	
02-Jul	25	27	27	
03-Jul	17	44	44	
04-Jul	357	401	401	
05-Jul	514	915	915	2,672
06-Jul	107	1,022	1,022	3,490
07-Jul	55	1,077	1,344	
08-Jul	395	1,472	2,623	
09-Jul	2,839	4,311	7,228	
10-Jul	4,755	9,066	14,181	
11-Jul	6,793	15,859	22,021	
12-Jul	2,549	18,408	24,570	5,883
13-Jul	1,510	19,918	26,080	10,547
14-Jul	755	20,673	27,423	
15-Jul	2,933	23,606	32,588	
16-Jul	6,063	29,669	43,113	
17-Jul	2,409	32,078	51,506	
18-Jul	859	32,937	55,529	
19-Jul	874	33,811	56,403	8,116
20-Jul	2,282	36,093	58,685	12,915
21-Jul	4,937	41,030	64,434	
22-Jul	4,251	45,281	71,599	
23-Jul	5,822	51,103	83,251	
24-Jul	6,568	57,671	97,420	
25-Jul	4,745	62,416	106,039	
26-Jul	5,004	67,420	111,043	
27-Jul	3,237	70,657	114,280	
28-Jul	4,177	74,834	118,457	
29-Jul	3,576	78,410	122,033	
30-Jul	1,810	80,220	123,843	
31-Jul	1,163	81,383	125,006	
01-Aug	1,165	82,548	126,171	
02-Aug	2,255	84,803	128,426	
03-Aug	1,861	86,664	130,287	
04-Aug	497	87,161	130,784	
05-Aug	1,204	88,365	131,988	
06-Aug	3,143	91,508	135,131	
07-Aug	1,457	92,965	136,588	
08-Aug	905	93,870	137,493	
09-Aug	425	94,295	137,918	
10-Aug	Fence out		137,918	
Total Count		94,295	137,918	43,623
Estimated Escapement		100,000		

Table 1c. Daily, cumulative and reconstructed sockeye salmon counts past the Docee Fence in 1995.

Date	Daily Count	Cumulative Count	Reconstructed Count	Sockeye Catch
26-Jun				
27-Jun				
28-Jun				
29-Jun				
30-Jun	Fence in			
01-Jul	1	1	1	
02-Jul	275	276	276	
03-Jul	225	501	501	
04-Jul	16	517	517	2,964
05-Jul	10	527	527	3,812
06-Jul	11	538	834	
07-Jul	29	567	1,837	
08-Jul	594	1,161	4,379	
09-Jul	1,107	2,268	7,900	
10-Jul	758	3,026	9,802	
11-Jul	1,652	4,678	11,454	9,168
12-Jul	246	4,924	11,700	
13-Jul	3,226	8,150	15,843	
14-Jul	4,596	12,746	22,272	
15-Jul	3,989	16,735	29,929	
16-Jul	3,133	19,868	35,812	
17-Jul	2,038	21,906	37,850	
18-Jul	1,874	23,780	39,724	
19-Jul	1,632	25,412	41,356	
20-Jul	493	25,905	41,849	
21-Jul	2,506	28,411	44,355	
22-Jul	5,414	33,825	49,769	
23-Jul	5,025	38,850	54,794	
24-Jul	2,759	41,609	57,553	
25-Jul	1,100	42,709	58,653	
26-Jul	713	43,422	59,366	
27-Jul	607	44,029	59,973	
28-Jul	186	44,215	60,159	
29-Jul	2,206	46,421	62,365	
30-Jul	4,495	50,916	66,860	
31-Jul	1,180	52,096	68,040	
01-Aug	712	52,808	68,752	
02-Aug	699	53,507	69,451	
03-Aug	197	53,704	69,648	
04-Aug	263	53,967	69,911	
05-Aug	251	54,218	70,162	
06-Aug	158	54,376	70,320	
07-Aug	427	54,803	70,747	
08-Aug	377	55,180	71,124	
09-Aug	237	55,417	71,361	
10-Aug	266	55,683	71,627	
11-Aug	242	55,925	71,869	
12-Aug	319	56,244	72,188	
13-Aug	Fence out			
Total Count		56,244	72,188	15,944
Estimated Escapement		57,000		

Table 1d. Daily, cumulative and reconstructed sockeye salmon counts past the Docee Fence in 1996.

Date	Daily Count	Cumulative Count	Reconstructed Count	Sockeye Catch
22-Jun	Fence in			
23-Jun	0	0	0	
24-Jun	0	0	0	
25-Jun	0	0	0	
26-Jun	0	0	0	
27-Jun	9	9	9	
28-Jun	2	11	11	
29-Jun	3	14	14	
30-Jun	28	42	42	
01-Jul	49	91	91	
02-Jul	74	165	165	2,741
03-Jul	37	202	202	
04-Jul	99	301	575	
04-Jul	754	1,055	1,877	
06-Jul	482	1,537	3,456	
07-Jul	354	1,891	4,632	
08-Jul	1,767	3,658	6,399	
09-Jul	1,682	5,340	8,081	2,427
10-Jul	354	5,694	8,435	2,750
11-Jul	669	6,363	9,347	
12-Jul	682	7,045	10,789	
13-Jul	3,863	10,908	16,173	
14-Jul	1,570	12,478	19,571	
15-Jul	4,860	17,338	25,256	
16-Jul	6,042	23,380	31,298	
17-Jul	4,394	27,774	35,692	
18-Jul	4,922	32,696	40,614	
19-Jul	1,874	34,570	42,488	
20-Jul	2,857	37,427	45,345	
21-Jul	3,394	40,821	48,739	
22-Jul	777	41,598	49,516	
23-Jul	346	41,944	49,862	
24-Jul	247	42,191	50,109	
25-Jul	121	42,312	50,230	
26-Jul	4,100	46,412	54,330	
27-Jul	280	46,692	54,610	
28-Jul	1,336	48,028	55,946	
29-Jul	1,074	49,102	57,020	
30-Jul	722	49,824	57,742	
31-Jul	721	50,545	58,463	
01-Aug	448	50,993	58,911	
02-Aug	337	51,330	59,248	
03-Aug	375	51,705	59,623	
04-Aug	431	52,136	60,054	
05-Aug	228	52,364	60,282	
06-Aug	444	52,808	60,726	
07-Aug	135	52,943	60,861	
08-Aug	265	53,208	61,126	
09-Aug	64	53,272	61,190	
10-Aug	Fence out			
Total Count		53,272	61,190	7,918
Estimated Escapement		54,000		

Table 2a. Summary of daily sockeye salmon counts past the Docee Fence, 1972-1996

Day	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
26-Jun																3				0	0				0
27-Jun																2				0	1				9
28-Jun														1	0	10				0	2				2
29-Jun														9	1	6				0	6				3
30-Jun														0	25	3	93			28	2	1			28
01-Jul											20		1	19	553	22	775			21	0	2	2	1	49
02-Jul											84	37	8	478	526	7	20			3	13	0	25	275	74
03-Jul											26	24	21	427	213	29	422		5	11	38	0	17	225	37
04-Jul							7,400				21	14	12	657	84	8	33	4	38	202	1,142	20	357	16	99
05-Jul							100				8,823	10	9	718	34	177	5,777	32	120	2,216	896	533	514	10	754
06-Jul							300				10,569	14	23	3,651	31	1,374	4,420	189	486	2,482	306	183	107	11	482
07-Jul				503			200				12,640	10	4	5,118	176	5,022	8,379	1,491	1,106	2,928	58	19	55	29	354
08-Jul			1,000	233	1311*		1,553		1,000		11,478	35	15	9,656	10,543	908	545	1,665	636	1,757	839	2,473	395	594	1,787
09-Jul			3,174	22	79	6,687	520		600		1,533	18,195	3,395	19,651	3,227	321	152	5,422	683	1,708	3,041	2,168	2,839	1,107	1,682
10-Jul		41,380	933	10	5	12,342	4,759	25	12,742		126	15,014	2,782	10,782	402	71	180	5,484	239	414	25,516	1,640	4,755	758	354
11-Jul		12,517	2,977	6	4	5,349	8,866	315	8,023		20	9,639	6,011	7,481	60	48	12,950	3,373	96	5,236	20,679	5,714	6,793	1,652	669
12-Jul	15,666	8,349	1,298	17	4	4,967	4,508	1,306	11,687	5,534	22	8,924	1,458	14,715	90	55	43,742	1,331	92	4,958	22,342	4,309	2,549	246	682
13-Jul	6,365	38,409	2,302	3	21,652	8,184	752	2,583	8,424	8,659	69,854	21,927	309	16,720	70	7,568	13,508	3,558	1,351	21,814	11,520	999	1,510	3,226	3,863
14-Jul	1,466	24,806	20,810	9	3,379	4,094	550	178	18,424	4,155	16,226	19,490	296	11,034	18,794	17,524	4,898	245	921	12,436	9,963	766	755	4,596	1,570
15-Jul	75	12,546	37,265	3	1,660	3,883	1,057	213	3,665	5,000	10,551	26,281	21,588	14,901	18,275	9,763	8,629	5,217	295	13,791	12,747	6,692	2,933	3,989	4,860
16-Jul	25	5,318	17,814	8	184	197	4,853	528	6,447	9,870	7,481	29,885	10,194	24,109	5,290	4,340	10,264	5,150	5,186	15,378	12,048	8,033	6,083	3,133	6,042
17-Jul	23,501	3,823	477	438	7	19,640	11,502	505	6,932	18,189	4,806	15,303	5,758	17,656	1,701	1,814	8,691	13,882	7,825	5,560	7,460	5,357	2,409	2,038	4,394
18-Jul	13,239	5,846	18	14,321	8	12,975	4,855	1,035	6,883	13,808	5,758	13,598	4,083	10,082	1,311	150	8,157	14,732	9,250	8,019	7,099	20,270	859	1,874	4,922
19-Jul	5,263	1,073	80	8,438	14	21,133	3,563	1,389	3,624	24,543	14,938	8,382	1,912	9,751	4,113	85	14,329	4,862	5,237	7,707	5,070	10,897	874	1,832	1,874
20-Jul	1,962	2,018	236	4,537	0	9,881	6,309	380	3,424	28,033	11,929	732	2,836	11,602	6,535	34	11,898	8,525	2,156	8,694	8,575	18,225	2,282	493	2,857
21-Jul	1,115	2,527	814	729	4	2,549	3,254	266	2,071	26,114	3,565	52	1,757	12,943	17,960	16	9,645	7,938	1,852	1,864	4,921	13,710	4,937	2,506	3,394
22-Jul	3,802	2,780	433	7,277	0	4,748	1,920	295	1,567	38,158	2,673	244	557	2,368	14,675	54	4,890	1,729	1,591	5,128	1,458	9,649	4,251	5,414	727
23-Jul	902	5,835	207	9,560	4,073	2,456	155	288	5,425	20,158	1,768	249	737	3,642	3,347	47	4,885	746	2,980	20,131	3,747	5,782	5,822	5,025	346
24-Jul	75	423	193	4,852	15,530	981	108	355	3,680	5,800	1,737	389	651	8,708	9,491	18	4,933	2,000	603	9,075	7,765	418	8,568	2,759	247
25-Jul	275	257	369	4,485	8,270	3,284	124	431	3,630	2,583	3,661	414	1,625	5,174	9,254	29,574	6,873	9,880	950	8,783	6,713	19,722	4,745	1,100	121
26-Jul	760	70	119	3,526	3,166	484	290	343	5,090	1,605	1,782	59	3,052	3,278	11,387	26,232	1,245	3,965	13,358	14,847	9,358	14,118	5,004	713	4,100
27-Jul	1,440	151	155	1,452	1,210	1,052	1,383	241	5,218	308	3,392	189	637	3,375	8,242	47,933	1,982	2,898	9,141	13,215	13,584	3,858	3,257	667	280
28-Jul	74	36	75	1,078	165	1,287	2,680	198	2,745	301	921	620	729	1,520	6,722	29,206	3,809	8,153	10,311	30,149	5,705	1,787	4,177	186	1,338
29-Jul	136	227	42	2,120	7	753	1,896	118	3,018	948	1,808	1,329	8,432	1,341	8,908	8,064	1,702	6,852	8,128	20,990	305	9,828	3,578	2,208	1,074
30-Jul	47	287	6	583	122	752	1,291	57	1,858	2,448	516	2,892	6,974	1,984	5,411	829	863	6,851	6,220	1,426	1,811	12,809	1,810	4,495	722
31-Jul	60	247	174	559	50	457	1,020	463	1,166	882	515	992	1,220	2,837	6,178	585	487	13,845	8,214	3,947	862	4,571	1,163	1,180	721
01-Aug		188	74	200		273	1,055	2,223	172	817	895	988	532	3,673	4,258	702	1,203	12,512	5,881	5,402	2,478	1,842	1,165	712	448
02-Aug		271				213	2,181	4,689	144	153	1,031	536	328	1,645	4,991	393	742	4,921	5,335	3,982	1,492	9,744	2,255	899	337
03-Aug		151					3,212	833	256	156	418	813	313	1,398	5,961	347	860	6,545	5,056	2,010	3,172	12,179	1,881	197	375
04-Aug		145					1,668	283	536	189	531	920	394	2,146	5,177	149	890	1,617	5,347	925	1,084	2,739	497	283	431
05-Aug		82					131	195	204	20	606	1,032	317	1,130	3,504	98	213	739	4,582	397	627	2,110	1,204	251	228
06-Aug		76						214		95	715	1,159	58	587	1,578	101	360	253	5,363	1,642	518	2,131	3,143	158	444
07-Aug		50						260		75	326			571	827	51	238		9,459	438	783	1,433	1,457	427	135
08-Aug		59						88		56	224			1,560	180	60	511		4,304		647	1,815	905	377	265
09-Aug		201									109			387			854		2,284		1,135	1,048	425	237	84
10-Aug		33															1,126		454			872		266	
11-Aug		11															312		855					242	
12-Aug		30															320		268					319	
Total Count	76,248	170,002	91,043	62,967	59,593	128,601	84,015	20,257	128,435	214,345	213,674	197,151	89,012	247,437	197,851	193,781	201,963	183,804	146,016	259,316	217,106	217,422	94,295	56,244	53,272
Estimated Esc											214,500	199,853	89,154	250,000	199,000	200,000	207,000	186,810	149,000	260,000	220,000	220,000	100,000	57,000	54,000

* includes estimated cumulative count to date

Table 2b. Summary of cumulative sockeye salmon counts past the Docee Fence, 1972-1996

Day	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
26-Jun																3				0	0				0
27-Jun																5				0	1				9
28-Jun														1	0	15				0	3				11
29-Jun														10	1	21				0	9				14
30-Jun														10	26	24	93			28	11	1			42
01-Jul											20		1	29	579	48	868			49	11	3	2	1	91
02-Jul											104	37	7	507	1,105	53	889			52	24	3	27	276	185
03-Jul											130	61	28	934	1,318	82	1,310		5	63	62	3	44	501	202
04-Jul							7,400				151	75	40	1,591	1,402	90	1,343	4	41	265	1,204	23	401	517	301
05-Jul							7,500				8,974	85	49	2,307	1,436	267	7,120	36	161	2,481	2,100	556	915	527	1,065
06-Jul							7,800				19,543	99	72	5,958	1,467	1,641	11,540	225	647	4,963	2,406	719	1,022	538	1,537
07-Jul				233			8,000				32,183	109	78	11,074	1,643	6,663	17,919	1,716	1,753	7,891	2,464	738	1,077	567	1,991
08-Jul			1,000	255	0		9,553		1,000		43,659	144	91	20,730	12,186	7,569	18,464	3,381	2,389	9,648	3,103	3,211	1,472	1,161	3,858
09-Jul			4,174	265	79	6,687	10,073		1,600		45,192	18,339	3,486	40,381	15,413	7,890	18,618	8,803	3,072	11,356	6,144	5,379	4,311	2,268	5,340
10-Jul		41,380	5,107	271	84	19,029	14,832	25	14,342		45,318	33,353	6,248	51,183	15,815	7,981	18,798	14,267	3,311	11,770	31,660	7,019	9,068	3,026	5,694
11-Jul		53,897	8,084	288	88	24,378	23,698	340	22,365		45,338	42,992	12,259	58,644	15,875	8,009	31,748	17,840	3,407	17,006	52,339	12,733	15,859	4,678	6,363
12-Jul	15,666	62,246	9,380	291	92	29,345	28,206	1,646	34,052	5,534	45,360	51,916	13,717	73,359	15,965	8,064	75,488	18,971	3,499	21,964	74,681	17,042	18,408	4,924	7,045
13-Jul	22,031	100,655	11,682	300	21,744	37,509	28,958	4,229	42,476	12,193	115,014	73,843	14,026	90,079	16,035	15,632	88,996	22,529	4,850	43,578	86,201	18,041	19,918	8,150	10,908
14-Jul	23,497	125,461	32,492	303	25,123	41,603	29,508	4,407	60,900	16,348	131,240	93,333	14,322	101,113	34,829	33,156	93,694	22,774	5,771	56,016	96,164	18,807	20,673	12,746	12,478
15-Jul	23,572	138,007	69,757	311	26,783	45,486	30,565	4,620	64,565	21,348	141,791	119,614	35,910	116,014	53,104	42,919	102,323	27,991	6,066	69,807	108,911	25,499	23,606	16,735	17,338
16-Jul	23,597	143,325	87,571	749	26,967	45,683	35,418	5,148	71,012	31,218	149,272	148,499	46,104	140,123	58,394	47,259	112,587	33,141	11,252	85,185	120,959	33,532	29,669	19,868	23,380
17-Jul	47,098	146,948	88,048	15,070	26,974	65,323	46,920	5,653	77,944	47,407	154,078	163,802	51,862	157,779	60,095	49,073	121,278	47,023	19,077	90,745	128,419	38,889	32,078	21,906	27,774
18-Jul	60,337	152,794	88,066	21,508	26,982	78,298	51,775	6,688	84,607	61,213	159,836	177,400	55,945	167,841	61,406	49,223	127,435	61,755	28,327	98,764	135,518	59,159	32,937	23,780	32,696
19-Jul	65,600	153,867	88,146	26,045	26,996	99,431	55,338	8,077	88,231	85,756	174,774	183,762	57,857	177,592	65,519	49,288	141,764	66,617	33,564	108,471	140,588	69,856	33,811	25,412	34,570
20-Jul	67,562	155,885	88,382	26,774	26,996	109,312	61,647	8,457	91,655	113,789	186,703	184,494	60,493	189,194	72,054	49,322	153,460	73,142	35,720	115,165	149,163	86,081	36,093	25,905	37,427
21-Jul	68,677	158,412	89,196	34,051	27,000	111,861	64,901	8,723	93,726	139,903	190,268	184,546	62,250	202,137	90,004	49,338	183,105	81,078	37,572	117,029	154,084	99,791	41,030	28,411	40,821
22-Jul	72,479	161,192	89,629	43,611	27,000	116,609	66,821	9,018	95,293	178,051	192,941	184,790	62,807	204,505	104,679	49,392	187,995	82,807	39,163	122,157	155,542	109,440	45,281	33,825	41,598
23-Jul	73,381	167,027	89,836	48,463	31,073	119,065	66,976	9,306	100,718	198,219	194,709	185,039	63,544	208,147	108,026	49,439	172,660	83,553	42,123	142,288	159,289	115,222	51,103	38,850	41,944
24-Jul	73,456	167,450	90,029	52,948	46,603	120,046	67,084	9,661	104,398	203,909	196,446	185,428	64,195	214,855	117,517	49,457	177,593	85,553	42,726	151,363	167,054	115,638	57,671	41,609	42,191
25-Jul	73,731	167,707	90,398	56,474	54,873	123,330	67,208	10,092	108,028	206,492	200,107	185,842	66,020	220,029	128,771	79,031	184,466	95,433	43,676	160,146	173,787	135,360	62,418	42,709	42,312
26-Jul	74,491	167,777	90,517	57,926	58,039	123,814	67,498	10,435	113,118	208,097	201,869	185,901	69,072	223,305	138,138	105,263	185,711	99,398	57,034	174,793	183,125	149,478	67,420	43,422	46,412
27-Jul	75,931	167,928	90,672	59,002	59,249	124,866	68,881	10,676	118,336	208,405	205,261	186,070	69,709	226,680	144,380	153,196	187,673	102,096	66,175	188,009	196,709	153,336	70,657	44,029	46,692
28-Jul	76,005	167,964	90,747	61,122	59,414	126,153	71,561	10,874	121,081	208,706	206,182	186,690	70,438	228,200	151,102	182,402	191,482	110,249	76,486	218,157	202,414	155,103	74,834	44,215	48,028
29-Jul	76,141	168,191	90,789	61,705	59,421	126,906	73,457	10,992	124,099	209,654	207,990	188,019	78,870	229,541	160,010	190,466	193,184	116,901	84,614	239,147	202,719	164,731	78,410	46,421	49,102
30-Jul	76,186	168,478	90,795	62,264	59,543	127,658	74,748	11,049	125,957	212,102	208,506	190,911	85,844	231,505	165,421	191,295	194,047	123,552	90,834	240,573	204,330	177,340	80,220	50,918	49,824
31-Jul	76,248	168,725	90,969	62,464	59,593	128,115	75,768	11,512	127,123	212,984	209,021	191,903	87,070	234,342	171,597	191,880	194,534	137,197	97,048	244,520	205,192	181,911	81,383	52,096	50,545
01-Aug		168,913	91,043	62,464		128,388	76,823	13,735	127,295	213,601	209,716	192,891	87,602	238,015	175,855	192,582	195,737	149,709	102,929	249,922	207,668	183,753	82,548	52,808	50,993
02-Aug		169,184		62,967		128,601	79,004	18,424	127,439	213,754	210,747	193,427	87,930	239,660	180,846	192,975	196,479	154,630	108,264	253,904	209,160	193,497	84,803	53,507	51,330
03-Aug		169,335					82,216	19,257	127,695	213,910	211,163	194,040	88,243	241,056	186,807	193,322	197,339	161,175	113,320	255,914	212,332	205,676	86,664	53,704	51,705
04-Aug		169,480					83,884	19,520	128,231	214,099	211,694	194,960	88,637	243,202	191,984	193,471	198,029	162,792	118,667	256,839	213,396	208,415	87,161	53,967	52,136
05-Aug		169,542					84,015	19,715	128,435	214,119	212,300	195,992	88,954	244,332	195,488	193,569	198,242	163,551	123,249	257,236	214,023	210,525	88,365	54,218	52,364
06-Aug		169,618						19,929		214,214	213,015	197,151	89,012	244,919	197,064	193,670	198,602	163,804	128,612	258,878	214,541	212,656	91,508	54,376	52,808
07-Aug		169,668						20,186		214,286	213,341			245,490	197,691	193,721	198,840		138,071	259,316	215,324	214,089	92,965	54,803	52,943
08-Aug		169,727						20,257		214,345	213,565			247,050	197,851	193,781	199,351		142,375		215,971	215,704	93,870	55,180	53,208
09-Aug		169,928									213,674			247,437			200,205		144,639		217,106	216,750	94,295	55,417	53,272
10-Aug		169,961															201,331		145,093			217,422		55,693	
11-Aug		169,972															201,643		145,748					55,925	
12-Aug		170,002															201,963		146,016					56,244	
Total Count	76,248	170,002	91,043	62,967	60,904	128,601	84,015	20,257	128,435	214,345	213,674	197,151	89,012	247,437	197,851	193,781	201,963	163,804	146,016	259,316	217,106	217,422	94,295	56,244	53,272
Estimated Esc											214,500	199,653	89,154	250,000	199,000	200,000	207,000	166,810	149,000	260,000	220,000	220,000	100,000	57,000	54,000

Table 3a. Length, sex and age data collected from sockeye salmon sampled at the Docee Fence in 1993.

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
13-Jul	415	560	M	1.3
13-Jul	420	515	M	1.2
13-Jul	470	575	F	1.3
13-Jul	460	575	F	1.3
13-Jul	495	600	M	1.3
13-Jul	410	500	M	1.2
13-Jul	420	505	M	1.2
13-Jul	450	550	M	1.2
13-Jul	505	610	F	1.3
13-Jul	475	555	F	1.3
13-Jul	440	540	M	1.2
13-Jul	540	655	M	1.3
13-Jul	465	565	F	1.3
19-Jul	535	640	M	1.3
19-Jul	490	585	F	1.3
19-Jul	450	560	M	1.4
19-Jul	515	610	F	1.3
19-Jul	425	525	F	1.2
19-Jul	445	550	F	1.3
19-Jul	480	580	F	1.3
19-Jul	520	615	M	1.3
19-Jul	515	630	F	1.3
19-Jul	455	565	M	
19-Jul	415	515	M	1.2
19-Jul	495	585	F	1.3
20-Jul	420	520	M	1.2
20-Jul	460	540	M	
20-Jul	495	595	F	1.3
20-Jul	500	585	F	1.3
20-Jul	540	645	M	1.3
20-Jul	540	610	M	1.3
20-Jul	520	615	M	1.3
20-Jul	445	535	M	1.2
20-Jul	420	505	M	1.2
20-Jul	490	595	M	1.3
20-Jul	460	550	M	1.2
20-Jul	495	590	F	1.3
20-Jul	525	625	M	1.3
20-Jul	465	560	M	1.2
20-Jul	515	615	M	1.3
20-Jul	505	595	F	1.3
20-Jul	500	595	F	1.3
20-Jul	475	555	M	1.2
20-Jul	495	600	M	1.3
20-Jul	420	485	M	1.2
20-Jul	540	640	M	1.3
20-Jul	425	500	M	2.2
20-Jul	425	505	M	1.2
20-Jul	490	580	F	1.3

Table 3a. 1993 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
20-Jul	515	605	M	1.3
20-Jul	520	605	M	1.3
20-Jul	515	605	F	1.3
20-Jul	410	475	M	1.2
20-Jul	465	540	M	1.2
20-Jul	500	600	M	
20-Jul	510	620	M	1.3
20-Jul	490	590	M	2.3
20-Jul	330	390	M	1.1
20-Jul	445	525	F	1.2
20-Jul	445	525	M	1.2
20-Jul	455	530	F	1.2
20-Jul	445	525	F	1.2
20-Jul	500	590	M	1.3
20-Jul	510	595	F	1.3
20-Jul	480	575	F	1.3
20-Jul	500	585	F	1.3
20-Jul	510	620	M	1.3
20-Jul	425	505	M	1.2
20-Jul	485	575	M	1.3
20-Jul	420	490	M	1.2
20-Jul	490	590	M	1.3
21-Jul	510	605	F	1.3
21-Jul	515	620	M	1.3
21-Jul	495	595	M	1.3
21-Jul	520	625	M	1.3
21-Jul	395	485	M	1.2
21-Jul	550	655	F	1.3
21-Jul	455	550	F	1.2
21-Jul	510	600	F	1.3
21-Jul	505	615	F	
21-Jul	420	510	M	1.2
21-Jul	485	590	M	1.3
21-Jul	450	530	M	1.2
21-Jul	490	485	F	1.3
21-Jul	530	630	F	1.3
21-Jul	465	545	F	1.2
21-Jul	515	625	M	
21-Jul	525	630	F	1.3
22-Jul	500	595	F	1.3
22-Jul	505	610	F	
22-Jul	445	535	F	1.2
22-Jul	525	625	F	1.3
22-Jul	455	550	F	1.2
22-Jul	470	595	F	1.3
22-Jul	510	605	F	1.3
22-Jul	470	585	M	1.3
22-Jul	515	630	M	1.3
22-Jul	470	575	M	1.3
22-Jul	455	545	F	1.3
22-Jul	440	535	M	1.2
22-Jul	470	570	F	1.3

Table 3a. 1993 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
22-Jul	475	570	F	1.3
22-Jul	425	520	F	1.2
22-Jul	470	560	F	1.3
22-Jul	495	610	F	1.3
22-Jul	405	500	F	1.2
22-Jul	450	545	F	1.2
22-Jul	460	580	F	
22-Jul	475	585	M	1.3
22-Jul	420	530	M	1.2
22-Jul	460	555	F	1.3
22-Jul	485	605	M	1.3
22-Jul	395	495	M	1.3
22-Jul	455	550	F	1.2
22-Jul	455	565	F	1.3
22-Jul	420	515	F	
22-Jul	455	550	F	1.2
22-Jul	435	530	M	1.2
22-Jul	515	620	M	1.3
22-Jul	440	565	M	1.2
22-Jul	480	585	F	1.3
22-Jul	490	610	M	1.3
22-Jul	400	495	M	1.2
22-Jul	490	600	F	1.3
22-Jul	505	610	M	
22-Jul	425	500	M	1.2
22-Jul	455	550	M	1.2
22-Jul	405	485	M	1.2
22-Jul	480	585	F	1.3
22-Jul	440	515	F	1.2
22-Jul	495	580	F	1.3
22-Jul	455	540	F	1.2
22-Jul	535	655	M	1.3
22-Jul	465	555	F	
22-Jul	495	585	F	1.3
23-Jul	505	620	F	1.3
23-Jul	490	590	M	1.3
23-Jul	520	645	M	1.3
23-Jul	535	635	F	1.3
23-Jul	420	505	M	1.2
23-Jul	470	560	F	1.3
23-Jul	440	525	F	1.2
23-Jul	515	625	M	1.3
23-Jul	395	480	M	1.2
23-Jul	505	615	M	1.3
23-Jul	490	595	F	
23-Jul	480	570	F	1.3
23-Jul	480	570	F	1.3
23-Jul	485	590	M	1.3
23-Jul	490	605	M	1.3
23-Jul	485	585	M	1.3
23-Jul	475	595	M	1.3
23-Jul	490	600	M	

Table 3a. 1993 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
23-Jul	505	615	M	1.3
23-Jul	435	530	M	2.2
23-Jul	500	600	F	1.3
23-Jul	395	465	M	1.2
23-Jul	445	530	F	1.2
23-Jul	510	605	F	1.3
23-Jul	505	600	F	1.3
25-Jul	495	595	M	1.3
25-Jul	515	620	M	1.3
25-Jul	545	655	M	1.3
25-Jul	475	570	F	1.3
25-Jul	535	645	M	1.3
25-Jul	530	635	M	1.3
25-Jul	520	615	F	1.3
25-Jul	510	610	M	1.3
25-Jul	535	640	M	1.3
25-Jul	465	565	M	
25-Jul	480	570	F	
25-Jul	430	505	F	1.2
25-Jul	485	575	F	1.3
25-Jul	535	625	F	1.3
25-Jul	475	570	M	0.3
25-Jul	495	600	M	
25-Jul	490	585	F	1.3
25-Jul	490	580	M	1.3
25-Jul	500	590	F	1.3
25-Jul	500	595	M	1.3
25-Jul	475	565	M	
25-Jul	485	585	M	1.3
25-Jul	525	620	F	
25-Jul	450	535	M	1.2
25-Jul	495	575	F	1.3
25-Jul	445	545	M	1.2
25-Jul	475	565	F	1.3
25-Jul	500	585	F	1.3
25-Jul	475	560	F	1.3
25-Jul	505	600	F	1.3
25-Jul	420	495	M	
25-Jul	440	520	M	1.2
25-Jul	445	525	F	
25-Jul	460	545	F	
25-Jul	565	685	M	1.3
25-Jul	535	625	F	1.3
25-Jul	515	605	F	1.3
25-Jul	540	655	M	1.3
25-Jul	435	525	M	1.2
26-Jul	505	615	M	1.3
26-Jul	460	555	F	1.3
26-Jul	495	605	M	1.3
30-Jul	460	550	M	1.2
30-Jul	480	585	M	1.2
30-Jul	470	585	M	1.2

Table 3a. 1993 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
30-Jul	500	620	F	
30-Jul	430	530	M	1.2
30-Jul	435	520	M	1.2
30-Jul	485	585	F	1.3
30-Jul	445	530	F	1.2
30-Jul	425	515	F	1.2
30-Jul	440	525	F	1.2
30-Jul	500	595	F	1.3
30-Jul	490	580	F	1.3
30-Jul	500	595	F	1.3
30-Jul	455	535	M	1.2
30-Jul	430	520	M	1.2
30-Jul	465	565	M	1.2
30-Jul	440	510	F	1.2
30-Jul	540	660	M	1.3
30-Jul	485	475	F	1.3
30-Jul	450	535	M	1.2
30-Jul	430	495	F	1.2
30-Jul	495	605	F	1.3
30-Jul	500	600	F	1.3
30-Jul	445	545	M	1.2
30-Jul	460	540	F	1.2
30-Jul	465	555	F	1.2
30-Jul	495	595	F	1.3
30-Jul	475	580	F	1.3
30-Jul	415	510	M	
30-Jul	510	610	M	1.3
30-Jul	480	575	F	1.3
30-Jul	490	585	F	1.3
30-Jul	450	550	F	1.3
30-Jul	425	515	F	1.2
30-Jul	505	610	M	1.3
30-Jul	445	540	F	1.2
30-Jul	410	505	M	1.2
30-Jul	435	520	F	1.2
30-Jul	470	570	M	1.2
30-Jul	435	520	F	1.2

Table 3b. Length, sex and age data collected from sockeye salmon sampled at the Docee Fence in 1994.

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
04-Jul	435	535	M	1.2
05-Jul	510	620	M	
05-Jul	505	615	F	1.3
05-Jul	510	605	F	
05-Jul	485	590	F	1.3
05-Jul	400	485	M	1.2
05-Jul	495	600	F	1.3
05-Jul	510	615	F	1.3
05-Jul	410	500	M	1.2
05-Jul	490	600	M	1.3
05-Jul	465	570	M	1.2
05-Jul	465	565	M	1.3
05-Jul	510	630	M	1.3
05-Jul	460	550	M	1.2
05-Jul	505	600	F	1.3
05-Jul	425	515	M	1.2
05-Jul	500	605	F	1.3
05-Jul	550	665	M	1.3
06-Jul	515	640	M	1.3
06-Jul	435	535	M	1.2
06-Jul	500	620	F	1.3
06-Jul	500	600	F	1.3
06-Jul	415	495	M	1.2
06-Jul	500	600	F	1.3
06-Jul	415	500	F	1.2
06-Jul	470	575	F	1.3
06-Jul	465	565	M	1.2
06-Jul	425	505	M	1.2
06-Jul	385	470	M	
07-Jul	535	640		
07-Jul	450	535	F	1.3
07-Jul	445	535	M	1.2
07-Jul	430	514	M	1.2
07-Jul	465	550	F	1.3
07-Jul	450	535	F	1.3
07-Jul	445	535	M	1.2
07-Jul	430	515	M	1.2
07-Jul	465	550	F	1.3
09-Jul	520	625	F	1.3
09-Jul	530	645	F	1.3
09-Jul	545	655	F	1.3
09-Jul	560	680	M	1.3
09-Jul	505	605	F	1.3
09-Jul	520	630	M	1.3
09-Jul	450	560	M	1.2
09-Jul	440	525	M	1.2
09-Jul	455	535	M	1.2
09-Jul	510	620	F	1.3

Table 3b. 1994 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
09-Jul	435	625	F	1.2
09-Jul	505	605	F	1.3
09-Jul	475	560	M	1.2
09-Jul	480	560	F	1.3
09-Jul	450	520	F	1.2
09-Jul	405	480	M	1.2
09-Jul	500	615	M	1.3
09-Jul	430	510	F	1.2
09-Jul	465	540	F	1.2
09-Jul	440	520	M	1.2
09-Jul	420	505	M	1.2
09-Jul	535	630	M	1.3
09-Jul	515	625	M	1.3
09-Jul	480	560	M	1.3
09-Jul	525	620	F	1.3
09-Jul	515	600	F	1.3
09-Jul	435	620	F	1.2
09-Jul	510	595	F	1.3
09-Jul	435	525	M	1.2
09-Jul	540	645	F	1.3
09-Jul	505	605	F	1.3
09-Jul	485	565	F	1.3
09-Jul	535	635	F	1.3
09-Jul	510	615	F	1.3
09-Jul	475	580	M	1.2
09-Jul	450	545	M	1.2
10-Jul	445	520	M	1.2
10-Jul	425	515	M	1.2
10-Jul	490	575	F	1.3
10-Jul	510	600	F	1.3
10-Jul	510	610	M	1.3
10-Jul	500	600	M	1.3
10-Jul	490	575	F	1.3
10-Jul	495	580	M	1.2
10-Jul	515	630	F	1.3
10-Jul	535	625	F	1.3
10-Jul	520	625	M	1.3
10-Jul	490	585	F	1.3
10-Jul	515	620	F	1.3
10-Jul	460	545	M	
10-Jul	480	560	F	1.3
10-Jul	515	620	M	1.3
10-Jul	525	625	M	1.3
10-Jul	435	525	M	1.2
10-Jul	475	585	F	1.3
10-Jul	500	605	F	1.3
10-Jul	435	520	F	
10-Jul	445	535	M	1.2
10-Jul	440	535	M	
10-Jul	520	640	M	1.3
10-Jul	405	535	M	1.2
10-Jul	510	615	M	1.3

Table 3b. 1994 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
11-Jul	530	670	M	1.3
11-Jul	505	600	F	1.3
11-Jul	440	540	M	1.2
11-Jul	505	605	F	1.3
11-Jul	505	610	F	1.3
11-Jul	520	625	M	1.3
11-Jul	490	580	F	1.3
11-Jul	510	610	F	1.3
11-Jul	520	635	F	1.3
11-Jul	490	570	F	1.3
16-Jul	450	545	M	1.2
16-Jul	465	570	F	2.3
16-Jul	515	610	M	2.3
16-Jul	500	615	M	1.3
16-Jul	520	610	F	1.3
16-Jul	495	605	F	
17-Jul	470	570	M	1.2
17-Jul	490	585	F	
17-Jul	415	500	M	1.2
17-Jul	485	575	F	1.3
17-Jul	535	640	F	1.3
17-Jul	450	515	F	1.2
17-Jul	515	610	F	1.3
21-Jul	405	500	M	1.2
21-Jul	465	570	F	1.3
21-Jul	500	620	F	1.3
21-Jul	500	605	F	1.3
21-Jul	470	595	F	1.3
21-Jul	515	605	M	1.3
21-Jul	470	575	F	1.3
21-Jul	535	685	M	1.4
21-Jul	535	635	F	1.3
21-Jul	475	575	M	1.3
21-Jul	505	595	F	1.3
21-Jul	405	500	F	1.2
21-Jul	450	550	M	1.2
21-Jul	435	520	F	1.2
21-Jul	510	625	F	1.3
21-Jul	455	510	F	1.3
21-Jul	425	510	F	1.2
21-Jul	430	530	M	1.2
21-Jul	485	580	F	1.3
21-Jul	520	620	F	1.3
21-Jul	505	605	F	1.3
21-Jul	470	585	M	1.3
21-Jul	530	655	M	1.3
21-Jul	485	595	F	1.3
21-Jul	485	580	M	
21-Jul	525	630	M	1.3
21-Jul	505	605	F	1.3
21-Jul	565	685	M	1.3
21-Jul	530	640	F	

Table 3b. 1994 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
21-Jul	495	600	F	1.3
21-Jul	455	545	F	1.2
21-Jul	475	565	F	1.2
21-Jul	535	630	F	1.3
21-Jul	530	655	M	1.3
21-Jul	500	585	F	1.3
21-Jul	525	620	F	1.3
21-Jul	485	580	M	1.3
21-Jul	460	545	M	1.2
22-Jul	500	610	M	
22-Jul	510	605	F	
22-Jul	515	610	F	
22-Jul	505	605	F	
22-Jul	500	600	M	
22-Jul	435	535	M	
22-Jul	535	670	M	
22-Jul	415	530	F	
22-Jul	550	655	M	
22-Jul	495	600	M	
22-Jul	475	595	M	
22-Jul	440	535	M	
22-Jul	510	625	F	
22-Jul	490	590	F	
22-Jul	505	615	F	
22-Jul	485	590	M	
22-Jul	525	650	M	
22-Jul	515	630	M	
22-Jul	505	625	M	
22-Jul	500	665	M	
22-Jul	485	590	M	
22-Jul	510	615	F	
22-Jul	410	500	M	
22-Jul	505	625	F	
22-Jul	530	630	F	
23-Jul	485	580	F	
23-Jul	510	610	F	1.3
23-Jul	515	610	F	1.3
23-Jul	480	565	F	1.3
23-Jul	530	625	M	1.3
23-Jul	490	580	F	
23-Jul	440	535	F	1.2
23-Jul	530	625	F	1.3
24-Jul	455	555	M	1.2
24-Jul	545	655	F	1.3
24-Jul	450	555	M	1.2
24-Jul	520	625	F	1.3
24-Jul	505	610	F	1.3
24-Jul	540	605	M	1.3
24-Jul	520	620	F	1.3
24-Jul	450	540	M	1.2
24-Jul	500	595	F	1.3
25-Jul	490	590	F	1.3

Table 3b. 1994 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
25-Jul	420	515	M	1.2
25-Jul	455	550	M	1.2
25-Jul	460	555	M	1.2
25-Jul	435	520	M	1.2
25-Jul	440	520	F	1.2
25-Jul	540	660	M	1.3
25-Jul	535	655	M	1.3
25-Jul	465	560	F	1.3
25-Jul	535	630	F	1.3
25-Jul	480	580	M	1.2
25-Jul	515	610	F	1.3
25-Jul	500	590	F	1.3
25-Jul	480	570	F	2.3
25-Jul	530	630	F	1.3
25-Jul	455	545	M	1.2
25-Jul	505	600	F	1.3
25-Jul	510	615	M	1.3
25-Jul	535	650	M	1.4
25-Jul	445	525	M	1.2
25-Jul	450	540	M	1.2
25-Jul	540	635	M	1.3
25-Jul	435	540	M	1.3
26-Jul	530	650	M	
26-Jul	500	595	F	
26-Jul	500	595	F	1.3
26-Jul	515	630	M	1.3
26-Jul	515	615	F	1.3
26-Jul	405	485	M	
27-Jul	530	630	F	1.3
27-Jul	535	630	F	1.3
27-Jul	515	615	M	1.3
27-Jul	520	635	F	1.3
27-Jul	565	660	F	1.3
27-Jul	390	465	M	1.2
27-Jul	510	615	M	1.3
27-Jul	525	630	F	1.3
27-Jul	525	645	M	1.3
27-Jul	440	515	M	1.2
28-Jul	500	605	F	1.3
28-Jul	485	595	F	1.3
28-Jul	505	620	F	
28-Jul	510	615	F	1.3
28-Jul	495	595	F	1.3
28-Jul	490	595	M	1.3
28-Jul	510	635	M	1.3
28-Jul	405	495	F	1.2
28-Jul	475	580	F	2.3
28-Jul	520	625	F	
28-Jul	480	600	M	1.3
29-Jul	385	465	M	
30-Jul	510	615	F	1.3
30-Jul	520	645	M	1.3

Table 3b. 1994 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
30-Jul	480	580	F	1.3
30-Jul	520	630	F	1.3
02-Aug	480	600	M	1.3
02-Aug	425	525	F	
02-Aug	495	615	M	1.3
02-Aug	460	565	M	1.3
02-Aug	540	660	M	
02-Aug	455	565	M	1.3
02-Aug	470	560	F	1.3
03-Aug	500	605	F	1.3
03-Aug	465	570	M	1.2
03-Aug	445	535	F	1.2
03-Aug	505	615	F	1.3
03-Aug	480	580	F	1.3
04-Aug	485	590	F	1.3
04-Aug	535	650	M	1.3
04-Aug	525	640	M	1.3
05-Aug	520	635	F	1.3
05-Aug	510	620	F	1.3
05-Aug	525	630	F	1.3
05-Aug	500	615	F	1.3
05-Aug	520	650	M	1.3
05-Aug	425	535	M	1.2
05-Aug	510	640	M	1.3
05-Aug	510	645	M	1.3
05-Aug	505	615	F	1.3
05-Aug	450	565	M	1.2
07-Aug	500	620	F	1.3
07-Aug	420	505	F	1.2
07-Aug	470	595	M	
07-Aug	410	500	F	1.2
08-Aug	505	610	F	1.3
08-Aug	475	585	F	1.3
08-Aug	525	640	M	1.3

Table 3c. Length, sex and age data collected from sockeye salmon sampled at the Docee Fence in 1995.

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
02-Jul	500	610	M	2.3
02-Jul	520	635	M	1.3
03-Jul	525	630	F	1.3
03-Jul	505	620	F	1.3
03-Jul	525	635	M	1.3
03-Jul	540	650	F	
03-Jul	540	660	M	1.3
03-Jul	475	575	M	1.2
03-Jul	530	625	F	1.3
03-Jul	525	630	F	1.3
03-Jul	505	600	F	1.3
03-Jul	530	620	F	
03-Jul	555	660	F	1.3
05-Jul	510	595	F	1.3
05-Jul	540	635	F	1.3
05-Jul	510	625	M	
05-Jul	510	600	F	1.3
05-Jul	510	605	F	1.3
05-Jul	555	645	F	1.3
05-Jul	550	665	M	1.3
05-Jul	540	655	M	1.3
07-Jul	510	625	F	1.3
07-Jul	465	575	M	1.3
08-Jul	525	640	F	1.3
08-Jul	470	575	F	1.3
09-Jul	530	640	M	1.3
09-Jul	505	615	M	1.3
09-Jul	505	615	F	1.3
09-Jul	485	615	M	1.3
10-Jul	520	630	F	1.3
10-Jul	485	580	F	1.3
14-Jul	490	615	M	
14-Jul	550	640	F	1.3
14-Jul	510	615	F	1.3
14-Jul	530	640	M	1.3
14-Jul	530	635	F	1.3
14-Jul	535	645	M	1.3
14-Jul	510	620	F	1.3
14-Jul	545	645	M	1.3
14-Jul	505	620	M	
14-Jul	530	635	F	1.3
18-Jul	525	640	F	1.3
18-Jul	460	570	F	1.2
18-Jul	535	650	F	1.3
18-Jul	470	570	F	1.2
19-Jul	480	585	M	1.3
19-Jul	500	600	M	1.3
19-Jul	440	535	M	1.2
19-Jul	480	585	M	1.3

Table 3c. 1995 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
19-Jul	520	620	F	
19-Jul	505	590	F	1.3
19-Jul	460	550	F	1.3
19-Jul	450	555	M	
19-Jul	505	605	F	1.3
19-Jul	480	580	F	1.3
19-Jul	500	605	F	1.3
21-Jul	450	540	M	1.2
21-Jul	510	610	F	1.3
21-Jul	520	610	F	1.3
21-Jul	460	545	F	
22-Jul	475	585	F	1.3
22-Jul	480	590	M	1.2
22-Jul	475	580	F	1.3
22-Jul	520	630	F	1.3
22-Jul	500	600	F	1.3
22-Jul	525	645	M	
22-Jul	475	585	F	1.3
22-Jul	490	595	F	
24-Jul	480	580	F	
28-Jul	520	625	F	1.3
29-Jul	440	550	F	1.3
29-Jul	465	540	F	1.2
29-Jul	515	615	M	1.3
29-Jul	510	610	F	1.3
29-Jul	485	585	M	1.3
29-Jul	505	600	F	1.3
29-Jul	450	535	F	1.2
29-Jul	480	575	F	1.3
29-Jul	485	600	F	1.3
29-Jul	490	600	F	1.3
29-Jul	535	650	M	1.3
30-Jul	510	610	F	1.3
02-Aug	530	630	F	1.3
03-Aug	530	625	F	1.3
04-Aug	500	610	F	1.3

Table 3d. Length, sex and age data collected from sockeye salmon sampled at the Docee Fence in 1996.

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
02-Jul	520	635	F	1.3
02-Jul	490	600	M	1.2
02-Jul	475	575	M	1.2
05-Jul	545	675	M	1.3
06-Jul	540	655	F	1.3
06-Jul	540	660	F	1.3
06-Jul	545	665	M	1.3
06-Jul	505	605	M	1.2
06-Jul	515	615	F	1.3
06-Jul	445	540	M	1.2
06-Jul	445	525	F	
06-Jul	560	655	F	1.3
06-Jul	535	650	M	1.3
06-Jul	550	665	F	
06-Jul	495	600	M	1.2
06-Jul	555	670	F	1.3
06-Jul	545	640	F	1.3
06-Jul	530	625	F	1.3
06-Jul	540	635	F	1.3
06-Jul	475	565	M	1.2
06-Jul	490	570	F	1.2
06-Jul	565	660	M	1.3
07-Jul	535	645	F	1.3
07-Jul	475	565	M	1.2
07-Jul	560	670	F	1.3
07-Jul	425	515	M	1.2
07-Jul	455	555	M	1.2
07-Jul	560	695	M	1.3
07-Jul	425	505	F	1.2
07-Jul	540	660	F	1.3
08-Jul	420	535	M	1.2
08-Jul	450	550	M	1.2
09-Jul	590	725	M	1.3
09-Jul	530	640	F	1.3
09-Jul	540	645	M	1.3
09-Jul	570	590	.	
09-Jul	450	550	.	1.2
09-Jul	450	550	.	1.2
09-Jul	520	640	.	1.3
10-Jul	550	665	M	1.3
10-Jul	480	585	M	1.2
10-Jul	465	545	F	1.2
11-Jul	475	570	M	1.2
12-Jul	455	555	.	1.2
12-Jul	455	550	F	1.2
13-Jul	460	560	.	1.2
13-Jul	530	625	F	1.3
14-Jul	520	620	F	1.3
14-Jul	450	550	M	1.2

Table 3d. 1996 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
14-Jul	480	575	M	1.2
14-Jul	470	570	M	1.2
14-Jul	525	630	F	1.3
14-Jul	550	655	M	1.3
14-Jul	535	665	M	1.3
15-Jul	480	565	M	1.2
15-Jul	480	580	M	1.2
15-Jul	555	665	F	1.3
15-Jul	465	565	M	1.2
15-Jul	550	655	.	1.3
15-Jul	455	555	.	1.2
15-Jul	460	550	F	1.2
15-Jul	520	615	F	1.3
16-Jul	540	660	M	1.3
16-Jul	445	550	M	1.2
16-Jul	450	555	M	1.2
17-Jul	450	545	M	1.2
17-Jul	450	540	M	1.2
17-Jul	445	540	M	1.2
17-Jul	530	650	M	1.3
18-Jul	480	585	M	1.2
18-Jul	440	540	M	1.2
18-Jul	500	600	.	1.3
19-Jul	535	640	.	1.3
19-Jul	.	650	.	1.3
22-Jul	480	580	M	1.2
22-Jul	400	500	M	1.2
25-Jul	.	610	.	
29-Jul	520	625	F	1.3
29-Jul	380	470	M	1.2
29-Jul	575	695	M	1.3
29-Jul	445	530	F	1.2
29-Jul	430	515	F	
29-Jul	545	655	F	1.3
29-Jul	550	665	F	1.3
29-Jul	535	635	M	1.3
29-Jul	480	570	F	1.2
29-Jul	470	570	F	1.3
29-Jul	510	610	M	1.3
30-Jul	565	700	M	1.3
30-Jul	425	515	M	1.2
30-Jul	385	465	F	1.2
31-Jul	485	585	M	1.2
31-Jul	465	550	F	
31-Jul	535	625	F	1.3
31-Jul	545	660	M	1.3
31-Jul	440	530	M	1.2
31-Jul	520	640	F	1.3
31-Jul	485	585	M	1.2
31-Jul	540	680	M	
31-Jul	485	600	M	1.2
31-Jul	460	555	F	1.2

Table 3d. 1996 (cont'd)

Date Sampled	Hypural Length (mm)	Fork Length (mm)	Sex	Age
31-Jul	455	540	F	1.2
31-Jul	490	590	M	1.2
31-Jul	490	590	M	
31-Jul	520	620	F	1.3
31-Jul	525	635	F	1.3
31-Jul	550	675	M	1.3
31-Jul	530	645	M	1.3
31-Jul	520	630	F	1.3
31-Jul	515	615	F	1.3
01-Aug	545	665	M	1.3
01-Aug	475	555	F	1.2
01-Aug	550	660	F	1.3
03-Aug	540	665	.	1.3
03-Aug	420	520	.	1.2

Table 4. Age composition, by year, of sockeye salmon sampled at the Docee Fence.

Year	N	Proportion age (number in parentheses)						
		0.3	1.1	1.2	1.3	1.4	2.2	2.3
1993	220	0.00 (1)	0.00 (1)	0.36 (78)	0.62 (136)	0.00 (1)	0.01 (2)	0.00 (1)
1994	243	0.00 (0)	0.00 (0)	0.30 (72)	0.68 (165)	0.01 (2)	0.00 (0)	0.02 (4)
1995	74	0.00 (0)	0.00 (0)	0.11 (8)	0.88 (65)	0.00 (0)	0.00 (0)	0.01 (1)
1996	107	0.00 (0)	0.00 (0)	0.49 (52)	0.51 (55)	0.00 (0)	0.00 (0)	0.00 (0)

Table 5a. Area 10 commercial gillnet salmon catch by day and week for years 1993-1996. (field catch data)

			Gillnet Catch (numbers of fish)						
Year	Date	# Boats	Sockeye	Coho	Pink	Chum	Chinook	J. Chinook [a]	Steelhead
1993	5-Jul	249	6907	397	22	1277	83	11	0
	6-Jul	195	6138	655	55	732	54	1	0
	TFW[b]		**13045**	**1052**	**77**	**2009**	**137**	**12**	**0**
	TTD[c]		**13045**	**1052**	**77**	**2009**	**137**	**12**	**0**
	12-Jul	360	13780	1310	78	609	52	11	0
	13-Jul	250	19353	1007	195	555	71	7	1
	TFW		**33133**	**2317**	**273**	**1164**	**123**	**18**	**1**
	TTD		**46178**	**3369**	**350**	**3173**	**260**	**30**	**1**
	19-Jul	305	26734	321	197	226	57	4	0
	TFW		**26734**	**321**	**197**	**226**	**57**	**4**	**0**
	TTD		**72912**	**3690**	**547**	**3399**	**317**	**34**	**1**
	26-Jul	194	18113	936	466	931	37	0	4
	27-Jul	194	11018	873	571	715	29	4	3
	28-Jul	190	10658	435	542	525	12	0	2
	TFW		**39789**	**2244**	**1579**	**2171**	**78**	**4**	**9**
	TTD		**112701**	**5934**	**2126**	**5570**	**395**	**38**	**10**
	3-Aug	236	27835	1147	1302	1329	55	9	2
	4-Aug	220	22871	977	1395	1310	47	1	0
	5-Aug	165	25957	610	1733	1187	84	5	0
	6-Aug	163	24120	1020	1478	819	87	19	4
	7-Aug	124	17054	280	1820	996	98	4	0
	TFW		**117837**	**4034**	**7728**	**5641**	**371**	**38**	**6**
	TTD		**230538**	**9968**	**9854**	**11211**	**766**	**76**	**16**
	8-Aug	116	13228	348	2750	930	60	0	0
	9-Aug	81	12847	275	1442	486	54	5	5
	10-Aug	9	2546	20	32	0	0	0	0
	11-Aug	13	3849	43	0	1	0	0	0
	12-Aug	3	1050	0	0	0	0	0	0
	13-Aug	4	1280	35	0	4	1	0	0
	14-Aug	5	1548	59	16	18	2	0	0
	TFW		**36348**	**780**	**4240**	**1439**	**117**	**5**	**5**
	TTD		**266886**	**10748**	**14094**	**12650**	**883**	**81**	**21**
	15-Aug	4	470	24	0	0	12	0	0
	16-Aug	4	1509	63	0	0	13	0	0
	TFW		**1979**	**87**	**0**	**0**	**25**	**0**	**0**
	TTD		**268865**	**10835**	**14094**	**12650**	**908**	**81**	**21**

Table 5a (continued)

Year	Date	# Boats	Gillnet Catch (numbers of fish)						
			Sockeye	Coho	Pink	Chum	Chinook	J. Chinook[a]	Steelhead
1994	5-Jul	137	2672	480	501	3778		0	0
	6-Jul	127	3490	788	931	4769	45	0	0
	TFW		**6162**	**1268**	**1432**	**8547**	**45**	**0**	**0**
	TTD		**6162**	**1268**	**1432**	**8547**	**45**	**0**	**0**
	12-Jul	235	5883	838	970	1664	190	0	0
	13-Jul	235	10547	462	1280	4070	21	0	0
	TFW		**16430**	**1300**	**2250**	**5734**	**211**	**0**	**0**
	TTD		**22592**	**2568**	**3682**	**14281**	**256**	**0**	**0**
	17-Jul	214	8116	928	1073	928	8	0	0
	18-Jul	270	12915	1444	2730	2089	40	0	0
	TFW		**21031**	**2372**	**3803**	**3017**	**48**	**0**	**0**
	TTD		**43623**	**4940**	**7485**	**17298**	**304**	**0**	**0**
1995	4-Jul	90	2964	708	14	912	90	0	0
	5-Jul	97	3812	294	27	1358	52	6	0
	TFW		**6776**	**1002**	**41**	**2270**	**142**	**6**	**0**
	TTD		**6776**	**1002**	**41**	**2270**	**142**	**6**	**0**
	11-Jul	131	9168	308	76	4773	16	2	0
	TFW		**9168**	**308**	**76**	**4773**	**16**	**2**	**0**
	TTD		**15944**	**1310**	**117**	**7043**	**158**	**8**	**0**
1996	2-Jul	79	2741	127	188	695	7	1	3
	TFW		**2741**	**127**	**188**	**695**	**7**	**1**	**3**
	TTD		**2741**	**127**	**188**	**695**	**7**	**1**	**3**
	9-Jul	56	2427	168	110	168	8	2	0
	10-Jul	56	2750	159	78	212	9	0	1
	TFW		**5177**	**327**	**188**	**380**	**17**	**2**	**1**
	TTD		**7918**	**454**	**376**	**1075**	**24**	**3**	**4**

[a] Jack Chinook
[b] TFW= Total For Wee
[c] TTD= Total To Date

Table 5b. Area 10 commercial gillnet salmon catch by week for years 1993-1996. (Regional sales slip data[a])

Year	Week Ending	# Boats	Gillnet Catch (numbers of fish)						
			Sockeye	Coho	Pink	Chum	Chinook	J. Chinook	Steelhead
1993	10-Jul	285	15784	1504	85	15805	182	23	5
	17-Jul	389	40784	2395	351	958	133	17	1
	24-Jul	377	36498	426	340	427	86	10	0
	31-Jul	348	50230	3298	1896	2639	115	2	6
	07-Aug	259	106625	5831	7201	5331	536	48	3
	14-Aug	126	30150	551	1882	1601	117	2	5
	21-Aug	9	4085	139	298	179	22	0	0
	Total		**284156**	**14144**	**12053**	**26940**	**1191**	**102**	**20**
1994	09-Jul	155	9685	1246	1811	9387	114	12	1
	16-Jul	231	16471	1318	2369	4482	82	2	1
	23-Jul	320	31013	3156	5697	5030	88	13	0
	Total		**57169**	**5720**	**9877**	**18899**	**284**	**27**	**2**
1995	08-Jul	177	11981	886	54	1648	129	14	3
	15-Jul	224	13965	378	78	4705	48	2	1
	Total		**25946**	**1264**	**132**	**6353**	**177**	**16**	**4**
1996	06-Jul	63	2359	113	156	1648	14	2	1
	13-Jul	77	6154	309	247	433	18	3	2
	Total		**8513**	**422**	**403**	**2081**	**32**	**5**	**3**

[a] Data from Regional Catch Database (Holmes and Whitfield 1991).

Table 6. Age composition by year, date and sub-area, of sockeye salmon sampled from the Area 10 commercial fishery. Number of fish shown in parentheses.

Year	Sample Date	Sub Area	N	0.2	0.3	1.2	1.3	1.4	2.2	2.3
1993	06-Jul	10-8	45	0.00 (0)	0.00 (0)	0.18 (8)	0.76 (34)	0.00 (0)	0.02 (1)	0.04 (2)
	12-Jul	10-8	45	0.00 (0)	0.00 (0)	0.13 (6)	0.82 (37)	0.00 (0)	0.04 (2)	0.00 (0)
	13-Jul	10-8	48	0.00 (0)	0.00 (0)	0.23 (11)	0.77 (37)	0.00 (0)	0.00 (0)	0.00 (0)
	19-Jul	10-8	92	0.00 (0)	0.00 (0)	0.11 (10)	0.88 (81)	0.00 (0)	0.00 (0)	0.01 (1)
	26-Jul	10-8	50	0.00 (0)	0.00 (0)	0.06 (3)	0.94 (47)	0.00 (0)	0.00 (0)	0.00 (0)
	27-Jul	10-8	48	0.00 (0)	0.00 (0)	0.33 (16)	0.67 (32)	0.00 (0)	0.00 (0)	0.00 (0)
	03-Aug	10-8	49	0.00 (0)	0.00 (0)	0.12 (6)	0.86 (42)	0.02 (1)	0.00 (0)	0.00 (0)
	04-Aug	10-8	25	0.00 (0)	0.00 (0)	0.40 (10)	0.60 (15)	0.00 (0)	0.00 (0)	0.00 (0)
	04-Aug	10-11	24	0.00 (0)	0.00 (0)	0.25 (6)	0.71 (17)	0.00 (0)	0.04 (1)	0.00 (0)
	06-Aug	10-8	24	0.00 (0)	0.00 (0)	0.54 (13)	0.46 (11)	0.00 (0)	0.00 (0)	0.00 (0)
	06-Aug	10-11	25	0.00 (0)	0.00 (0)	0.52 (13)	0.48 (12)	0.00 (0)	0.00 (0)	0.00 (0)
	09-Aug	10-11	25	0.00 (0)	0.00 (0)	0.28 (7)	0.72 (18)	0.00 (0)	0.00 (0)	0.00 (0)
	10-Aug	10-11	25	0.00 (0)	0.00 (0)	0.36 (9)	0.60 (15)	0.00 (0)	0.00 (0)	0.04 (1)
	Total		525	0.00 (0)	0.00 (0)	0.22 (118)	0.76 (398)	0.00 (1)	0.01 (4)	0.01 (4)
1994	04-Jul	10-8	14	0.00 (0)	0.00 (0)	0.21 (3)	0.79 (11)	0.00 (0)	0.00 (0)	0.00 (0)
	14-Jul	10-8	13	0.00 (0)	0.00 (0)	0.31 (4)	0.69 (9)	0.00 (0)	0.00 (0)	0.00 (0)
	18-Jul	10-8	40	0.00 (0)	0.00 (0)	0.15 (6)	0.85 (34)	0.00 (0)	0.00 (0)	0.00 (0)
	Total		67	0.00 (0)	0.00 (0)	0.19 (13)	0.81 (54)	0.00 (0)	0.00 (0)	0.00 (0)
1995	04-Jul	10-7	23	0.00 (0)	0.00 (0)	0.13 (3)	0.87 (20)	0.00 (0)	0.00 (0)	0.00 (0)
	04-Jul	10-8	1	0.00 (0)	0.00 (0)	0.00 (0)	1.00 (1)	0.00 (0)	0.00 (0)	0.00 (0)
	05-Jul	10-3	90	0.00 (0)	0.00 (0)	0.44 (40)	0.52 (47)	0.00 (0)	0.02 (2)	0.01 (1)
	11-Jul	10-7	14	0.00 (0)	0.00 (0)	0.14 (2)	0.86 (12)	0.00 (0)	0.00 (0)	0.00 (0)
	11-Jul	10-8	34	0.00 (0)	0.00 (0)	0.03 (1)	0.97 (33)	0.00 (0)	0.00 (0)	0.00 (0)
	Total		162	0.00 (0)	0.00 (0)	0.28 (46)	0.70 (113)	0.00 (0)	0.01 (2)	0.01 (1)
1996	02-Jul	10-5	23	0.00 (0)	0.00 (0)	0.26 (6)	0.74 (17)	0.00 (0)	0.00 (0)	0.00 (0)
	02-Jul	10-3	139	0.02 (3)	0.04 (5)	0.50 (69)	0.41 (57)	0.00 (0)	0.02 (3)	0.01 (2)
	09-Jul	10-3	95	0.00 (0)	0.02 (2)	0.46 (44)	0.39 (37)	0.00 (0)	0.11 (10)	0.02 (2)
	09-Jul	10-4	17	0.00 (0)	0.00 (0)	0.41 (7)	0.35 (6)	0.00 (0)	0.12 (2)	0.12 (2)
	09-Jul	10-7	7	0.00 (0)	0.00 (0)	0.71 (5)	0.29 (2)	0.00 (0)	0.00 (0)	0.00 (0)
	09-Jul	10-8	27	0.00 (0)	0.00 (0)	0.48 (13)	0.30 (8)	0.00 (0)	0.00 (0)	0.22 (6)
	10-Jul	10-3	12	0.00 (0)	0.00 (0)	0.50 (6)	0.42 (5)	0.00 (0)	0.08 (1)	0.00 (0)
	10-Jul	10-5/10-7	15	0.00 (0)	0.00 (0)	0.67 (10)	0.33 (5)	0.00 (0)	0.00 (0)	0.00 (0)
	Total		335	0.01 (3)	0.02 (7)	0.48 (160)	0.41 (137)	0.00 (0)	0.05 (16)	0.04 (12)

Table 7. Sockeye salmon length, weight, parasite prevalence and age data collected from the 1996 Area 10 commercial gillnet fishery.

Sample Date	Fork Length (mm)	Whole Weight (kg)	Sample Location	*Myxobolus* Present	Age
2-Jul-96	495	1.70	10-4	.	2.2
2-Jul-96	542	2.20	10-4	.	1.2
2-Jul-96	620	3.60	10-4	.	2.3
2-Jul-96	505	2.00	10-4	.	1.2
2-Jul-96	518	2.25	10-4	.	1.2
2-Jul-96	509	2.10	10-4	.	1.2
2-Jul-96	586	3.50	10-4	.	1.3
2-Jul-96	630	3.35	10-4	.	1.3
2-Jul-96	655	4.10	10-4	.	1.3
2-Jul-96	616	3.70	10-4	.	1.3
2-Jul-96	641	3.80	10-4	.	1.3
2-Jul-96	615	3.40	10-4	.	1.3
2-Jul-96	663	4.30	10-4	.	2.3
2-Jul-96	546	2.35	10-4	.	1.2
2-Jul-96	545	2.40	10-4	.	1.2
2-Jul-96	528	2.10	10-4	.	1.2
2-Jul-96	509	2.10	10-4	.	2.2
2-Jul-96	552	2.40	10-7	N	1.2
2-Jul-96	478	1.50	10-7	.	1.2
2-Jul-96	644	3.45	10-7	.	1.3
2-Jul-96	624	3.00	10-7	.	1.3
2-Jul-96	585	2.85	10-7	.	1.2
2-Jul-96	550	2.25	10-7	.	1.2
2-Jul-96	590	2.90	10-7	.	1.3
2-Jul-96	547	2.50	10-7	.	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	0.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	N	.
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2

Table 7. (Cont'd)

Sample Date	Fork Length (mm)	Whole Weight (kg)	Sample Location	*Myxobolus* Present	Age
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	2.2
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	N	.
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	.
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	N	.
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	0.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	N	2.2
2-Jul-96	.	.	10-3	Y	2.3
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.3

Table 7. (Cont'd)

Sample Date	Fork Length (mm)	Whole Weight (kg)	Sample Location	*Myxobolus* Present	Age
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	2.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	.
2-Jul-96	.	.	10-3	N	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	N	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.2
2-Jul-96	.	.	10-3	Y	1.3
2-Jul-96	597	2.80	10-3	.	1.3
2-Jul-96	540	2.10	10-3	.	1.2
2-Jul-96	537	2.00	10-3	.	1.2
2-Jul-96	530	2.10	10-3	.	1.2
2-Jul-96	572	2.40	10-3	.	.
2-Jul-96	510	1.80	10-3	.	0.2
2-Jul-96	522	1.70	10-3	.	1.2
2-Jul-96	600	2.80	10-3	.	1.3
2-Jul-96	585	2.50	10-3	.	1.2
2-Jul-96	510	1.50	10-3	.	1.2
2-Jul-96	522	2.10	10-3	.	1.2
2-Jul-96	507	1.90	10-3	.	0.2
2-Jul-96	588	2.60	10-3	.	0.3
2-Jul-96	590	2.60	10-3	.	1.2
2-Jul-96	475	1.60	10-3	.	1.2
2-Jul-96	524	1.80	10-3	.	1.3
2-Jul-96	610	3.10	10-3	.	1.3
2-Jul-96	565	2.40	10-3	.	.
2-Jul-96	648	3.70	10-3	.	1.3
2-Jul-96	555	2.30	10-3	.	0.3
2-Jul-96	560	2.30	10-3	.	1.2
2-Jul-96	662	3.40	10-3	.	1.3
2-Jul-96	525	1.75	10-3	.	.
2-Jul-96	608	2.65	10-3	.	1.3
2-Jul-96	509	1.65	10-3	.	1.2
2-Jul-96	.	.	.	Y	.
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	Y	2.2

Table 7. (Cont'd)

Sample Date	Fork Length (mm)	Whole Weight (kg)	Sample Location	*Myxobolus* Present	Age
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	.	1.1
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	N	1.1
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	.	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-8	N	2.3
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	.	2.3
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	.	.
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	2.3
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	2.3
9-Jul-96	.	.	10-8	N	2.3
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.3
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	.
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	2.3
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-8	N	1.2
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	2.3
9-Jul-96	.	.	10-3	N	1.3

Table 7. (Cont'd)

Sample Date	Fork Length (mm)	Whole Weight (kg)	Sample Location	*Myxobolus* Present	Age
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	.
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	N	.
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	N	1.3
9-Jul-96	.	.	10-3	Y	.
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	Y	1.3
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	N	1.2
9-Jul-96	.	.	10-3	Y	1.2
9-Jul-96	.	.	10-3	Y	2.2
9-Jul-96	.	.	10-3	Y	2.2

Table 8a. Water staff guage readings and weather conditions recorded at the Docee River Fence in 1993

	Staff Guage Reading (feet)		Weather Observations	
Date	AM	PM	AM	PM
26-Jun-93		2.03	Broken high cloud	Rain
27-Jun-93	2.07	2.08	Overcast	Rain
28-Jun-93	2.06		High overcast, rain	
29-Jun-93	2.05	2.04	Sunny, light rain	Overcast, rain
30-Jun-93	2.02	2.01	Rain	Overcast, rain
1-Jul-93	2.00	2.00	Overcast, rain	Overcast, rain
2-Jul-93	1.11	1.11	High cloud, sun	Overcast, rain
3-Jul-93	1.10	1.90	Overcast	Overcast
4-Jul-93	1.70	1.55	Overcast	Sun with cloud/windy
5-Jul-93	1.50	1.30	Sun	Sun
6-Jul-93	1.20	1.10	Sun	Sun
7-Jul-93	1.10	0.11	Low overcast	Overcast
8-Jul-93	0.11	0.10	Overcast	Sun
9-Jul-93	0.09	0.08	Low overcast	Overcast
10-Jul-93	0.09	0.08	Overcast, low cloud, fog	Sun
11-Jul-93	0.09	0.08	Overcast, cold	Overcast, cold
12-Jul-93	0.09	0.08	Overcast, rain	Overcast
13-Jul-93	0.08	0.07	Low overcast	Sun
14-Jul-93	0.07	0.06	Overcast	Overcast, rain all night
15-Jul-93	0.07	0.07	Overcast	Overcast
16-Jul-93	0.06	0.06	High overcast clearing	Overcast rain
17-Jul-93	0.05	0.04	Overcast	Cloud W/ sunny patches
18-Jul-93	0.04	0.03	Overcast	Sun W/ cloud patches
19-Jul-93	0.03	0.02	Overcast	Overcast
20-Jul-93	0.02	0.02	Overcast	Overcast
21-Jul-93	0.02	0.01	Overcast	Overcast wind, Showers
22-Jul-93	0.01	0.00	Overcast, wind, cold, showers	Overcast
23-Jul-93	0.01	0.02	Low overcast, rain, fog	Low overcast
24-Jul-93	0.01	0.02	Clear	Overcast
25-Jul-93	0.03	0.02	Low overcast, sun	Sun
26-Jul-93	0.02	0.02	Overcast	Overcast W/ rain, fog
27-Jul-93	0.02	0.04	Rain, fog cloud	Rain
28-Jul-93	0.11	1.02	Rain	Cloud W/ blue patches
29-Jul-93	1.05	1.07	Overcast, rain, cold	Rain
30-Jul-93	1.08	1.07	Overcast	Overcast, windy
31-Jul-93	1.06	1.06	Sun	Cloud, 70%
1-Aug-93	1.05	1.06	High overcast	Clear, sun
2-Aug-93	1.03		sunny	sunny
3-Aug-93	1.02	1.02	Overcast, fog	sunny
4-Aug-93	1.00	0.11	sunny	sunny
5-Aug-93	0.10	0.09	sunny	sunny
6-Aug-93	0.08	0.08	High overcast sun	sun
7-Aug-93	0.08		Low cloud	
8-Aug-93			Low cloud, rain	Low cloud, rain
9-Aug-93			Overcast, rain	Sun
10-Aug-93			Fog	

Table 8b. Water staff guage readings and weather conditions recorded at the Docee River Fence in 1994

	Staff Guage Reading (feet)		Weather Observations	
Date	AM	PM	AM	PM
17-Jun-94	1.11	1.10	Sun, cld. periods, warm	Mostly sunny,warm
18-Jun-94	1.10	1.10	Sun, cld. periods, warm	Mostly sunny,warm
19-Jun-94	1.09	1.08	Sun, cld. periods, warm, L/nw	Clear, sunny,warm
20-Jun-94	1.07	1.06	Clear, sun, hot	Clear, sunny, hot
21-Jun-94	1.06	1.06	Low fog, clear, sun, hot	Clear, sunny, hot, Lt. W
22-Jun-94	1.07	1.07	Low fog, muggy, warm	Clear, sunny, hot
23-Jun-94	1.08	1.08	Low fog, overcast, warm	Clear, sunny periods, warm
24-Jun-94	1.08	1.07	Overcast, light drizzle	Overcast, sun periods, warm
25-Jun-94	1.07	1.06	Overcast, light drizzle	Overcast,bright, calm
26-Jun-94	1.06	1.05	Overcast, light drizzle	Overcast, sun periods, calm
27-Jun-94	1.05	1.05	Overcast, clear periods	Overcast, sun periods, calm
28-Jun-94	1.05	1.04	Overcast, drizzle,S/E	Overcast, rain, Lt. S/E
29-Jun-94	1.05	1.04	Low cloud, clear periods	Overcast, drizzle, heavy rain
30-Jun-94	1.05	1.08	Heavy rain	Heavy rain
1-Jul-94	2.08	3.01	Heavy rain	Heavy rain, 20:00 clearing
2-Jul-94	3.04	3.01	Rain, cloudy	Cloudy, rain
3-Jul-94	3.00	2.11	Overcast, drizzle	Sunny periods, clearing
4-Jul-94	2.10	2.08	Cloudy, sunny periods	Sunny, warm, clear
5-Jul-94	2.06	2.04	Low fog, 10:30 clear, sunny	Sunny,hot, Lt. W
6-Jul-94	2.04	2.03	Low fog, 10:00 clear periods	Overcast,drizzle, Lt. W
7-Jul-94	2.01	2.00	Overcast, clear periods	Overcast,clr. periods, 19:00 rain
8-Jul-94	1.11	1.09	Clear, sunny, hot	Clear, sun, hot
9-Jul-94	1.08	1.06	Clear, sunny, hot	Clear, sun, hot, Lt. N/W
10-Jul-94	1.05	1.04	Clear, sunny, hot	Clear, sun, hot, Lt. N/W
11-Jul-94	1.03	1.02	Low fog, 10:30 clear, sun	Clear, sun, hot, Lt. N/W
12-Jul-94	1.01	1.00	Low fog, 11:00 clear, sun	Clear, sun, hot, (29c) N/W
13-Jul-94	1.00	0.11	High overcast, calm, muggy	Cloud, 13:30 clearing, sun pds
14-Jul-94	0.11	0.11	Overcast, 09:30 clear, sun	Clear, sun, hot
15-Jul-94	0.11	0.11	Overcast, 10:00 clear, sun	Clear, sun, hot, mod. N/W
16-Jul-94	0.11	0.11	Overcast, 10:00 clear, sun	Sun, cld. pds.,rain 22:00
17-Jul-94	0.11	1.02	Low cloud, heavy rain S/E gusts	Low cloud, rain, S/E gusts
18-Jul-94	1.03	1.05	Overcast, drizzle	Cloudy, 13:00 clearing, sun
19-Jul-94	1.06	1.05	High overcast	Cloudy, 12:00 clearing, sun
20-Jul-94	1.05	1.04	Low fog, warm, 10:30 clear	Clear, sun, hot, high cld.
21-Jul-94	1.05	1.04	Low fog, warm, 10:00 clear	Clear, sun, hot
22-Jul-94	1.04	1.04	High cloud, 10:00 clear	Clear, sun, hot, Lt. N/W
23-Jul-94	1.04	1.04	Low fog, 09:30 clear	Clear, sun, hot, Lt. N/W
24-Jul-94	1.04	1.03	Clear, sunny, hot	Clear, sun, hot, Lt. N/W
25-Jul-94	1.04	1.04	Cloudy, drizzle, sunny periods	Cloudy, sunny periods
26-Jul-94	1.04	1.03	Low cloud, sunny periods, muggy	Overcast, 16:30 clearing
27-Jul-94	1.02	0.10	Overcast, 10:30 clear	Sunny, hot, Lt. N/W
28-Jul-94	0.11	0.10	Low cloud, sunny periods, S/E	Overcast, Drizzle, S/E
29-Jul-94	0.11	0.10	Cold, overcast, strong S/E	Cloudy periods, mod. S/E
30-Jul-94	0.10	0.10	Overcast, cloudy periods, calm	Overcast,drizzle, w/clr pds
31-Jul-94	0.09	0.08	Low cloud, rain	Overcast, rainy periods
1-Aug-94	0.08	0.08	Low cloud, heavy rain	Low cloud, rain
2-Aug-94	0.08	0.07	Low fog, 10:30 clearing	Clear, sun, cloudy periods
3-Aug-94	0.07	0.07	Low fog, 10:30 clearing	Clear sun, warm, rain pm
4-Aug-94	0.07	0.08	Low fog, rain	Low cloud, rain
5-Aug-94	1.00	1.01	Cloudy, heavy rain	Cloudy, rain some breaks
6-Aug-94	1.02	1.03	Cloudy, 10:30 clearing	Clear, sunny, high cloud
7-Aug-94	1.02	1.00	Low fog, 10:30 clearing	Clear, hot sunny
8-Aug-94	0.11	0.10	Overcast, 12:00 clearing	Overcast, clear periods
9-Aug-94	0.10	0.10	Overcast, calm	Overcast, muggy

Table 8c. Water staff guage readings and weather conditions recorded at the Docee River Fence in 1995.

	Staff Guage Reading (feet)		Weather Observations	
Date	AM	PM	AM	PM
20-Jun-95			Low fog	Clear, sunny
21-Jun-95			Overcast	Overcast
22-Jun-95	2.05	2.05	Clear, sunny	Bright, sunny
23-Jun-95	2.05	2.04	Overcast, bright	Overcast
24-Jun-95	2.04	2.04	Overcast	Overcast, sunny periods
25-Jun-95	2.04	2.03	Clear, sunny, warm	Clear, sunny, hot
26-Jun-95	2.03	2.01	Clear, sunny	Clear, sunny
27-Jun-95	2.03	2.01	Clear, sunny	Clear, sunny, hot
28-Jun-95	2.01	2.01	Clear, sunny	Clear, sunny, light W
29-Jun-95	2.01	2.00	Clear, sunny	Clear,sunny, 32 c
30-Jun-95	2.00	2.00	Clear, sunny	Clear,sunny, 32 c
1-Jul-95	2.01	2.01	Overcast, warm	Overcast, mod. W
2-Jul-95	2.02	2.02	Overcast, clear periods	Clear,some cloud, mod. W
3-Jul-95	2.02	2.01	Overcast	Overcast, light drizzle
4-Jul-95	2.01	2.03	Overcast, rain	Overcast, heavy rain 14:00
5-Jul-95	2.03	2.04	Overcast, cool	Overcast, rain 18:00
6-Jul-95	2.03	2.02	High cloud, bright	Sunny, warm, cloudy periods
7-Jul-95	2.01	2.00	High cloud, sunny breaks	Dark clouds, thunder storm
8-Jul-95	2.00	1.11	Overcast	Clear, sunny, cloudy periods
9-Jul-95	1.10	2.01	Overcast	Sunny, warn, rain 19:00
10-Jul-95	2.04	3.06	Heavy rain, low cloud	Heavy rain
11-Jul-95	3.00	3.04	Overcast, light rain	Overcast
12-Jul-95	3.00	2.11	Overcast	Overcast
13-Jul-95	2.09	2.09	Rain	Rain
14-Jul-95	2.09	2.09	Light rain	Overcast
15-Jul-95	2.09	2.07	Low fog, bright	Sunny, hot, W brz.
16-Jul-95	2.05	2.04	Low fog, bright	Sunny, hot, W brz.
17-Jul-95	2.04	2.03	Low fog, bright	Sunny, hot
18-Jul-95	2.03	2.02	Low fog, bright	Sunny, hot
19-Jul-95	2.01	2.01	Low fog, bright	Sunny, hot
20-Jul-95	2.00	2.00	Low fog, bright	Sunny, hot, W brz.
21-Jul-95	2.00	2.00	Cloudy, sunny 10:00	Sunny, hot
22-Jul-95	1.11	1.10	Sunny, hot	Sunny, hot
23-Jul-95	1.10	1.08	Overcast	Sunny, warm
24-Jul-95	1.06	2.00	Overcast, rain	Heavy rain
25-Jul-95	2.03	2.07	Rain	Rain
26-Jul-95	2.10	3.02	Rain	Overcast, rainy periods
27-Jul-95	3.05	3.04	Overcast	Clear, sunny
28-Jul-95	3.04	3.00	High cloud, cold	Cloudy, sunny periods
29-Jul-95	3.00	2.08	Clear, high clouds	Clear, sunny
30-Jul-95	2.07	2.05	Overcast, drizzle	Overcast
31-Jul-95	2.04	2.02	Overcast, drizzle	Rain, drizzle
1-Aug-95	2.01	2.00	Overcast	High cloud, sunny periods
2-Aug-95	2.00	1.10	Overcast, drizzle	Overcast, sunny periods
3-Aug-95	1.09	1.08	Overcast	Overcast, clear, sunny 18:00
4-Aug-95	1.08	1.07	Overcast, drizzle	Overcast, drizzle
5-Aug-95	1.08	1.08	Overcast	Overcast, sunny breaks
6-Aug-95	1.08	1.07	Clear, sunny	Clear, cloudy periods
7-Aug-95	1.07	1.05	Overcast, sun 09:30drizzle	Clear, cloudy periods
8-Aug-95	1.04	1.03	Overcast, Sunny periods	Overcast, strong S/E
9-Aug-95	1.03	1.02	Overcast	Overcast, clear periods

Table 8d. Water staff guage readings and weather conditions recorded at the Docee River Fence in 1996.

	Staff Guage Reading (feet)		Weather Observations	
Date	AM	PM	AM	PM
17-Jun-96			Rain	Overcast
18-Jun-96			Clear	Clear, sunny, hot
19-Jun-96	1.07	1.06	Clear, sunny	Clear, sunny
20-Jun-96	1.06	1.06	Clear	Clear, sunny, hot
21-Jun-96	1.06	1.06	Fog, sunny 12:00	Clear, sunny
22-Jun-96	1.06	1.06	Fog, overcast	Overcast, rain 19:30
23-Jun-96	1.06	1.07	Fog, overcast	Overcast, sunny breaks
24-Jun-96	1.07	1.07	Overcast, sunny breaks	Overcast
25-Jun-96	1.07	1.07	Overcast, clear breaks	Overcast, showers
26-Jun-96	1.08	1.09	Overcast, rain	Heavy rain, outflow winds
27-Jun-96	2.01	2.01	Overcast, drizzle	Overcast, drizzle
28-Jun-96	2.01	2.02	Overcast, rain	Overcast, rain
29-Jun-96	2.01	2.01	Low cloud, drizzle	Overcast, rain
30-Jun-96	2.01	2.01	Overcast, rain	Overcast, drizzle
1-Jul-96	2.06	2.07	Overcast, drizzle	Overcast, rain
2-Jul-96	2.07	2.07	Overcast, clear breaks	Overcast, heavy rain periods
3-Jul-96	2.07	2.07	Low cloud, heavy rain	Rain, clear periods
4-Jul-96	2.08	2.09	Overcast, rain	Cloud, rain, some clearing
5-Jul-96	2.09	2.09	Overcast	Overcast
6-Jul-96	2.07	2.06	Clear, sunny, hot, W breeze	Clear,sunny,high cld. 17:30
7-Jul-96	2.06	2.06	Clear, sunny, hot	Clear, sunny hot, W breeze
8-Jul-96	2.05	2.04	High overcast	Cloud, Rain
9-Jul-96	2.03	2.03	Overcast, clear breaks, W wind	Overcast
10-Jul-96	2.02	2.01	Clear,sunny warm	Clear, sunny, hot
11-Jul-96	2.01	2.00	Fog, clear 09:30	Sunny, hot, slight W wind
12-Jul-96	2.00	1.01	Sunny, clear, hot	Sunny, clear, hot
13-Jul-96	1.11	1.10	Fog, clear 09:00	Clear, sunny, hot
14-Jul-96	1.11	2.00	Clear, sunny, hot	Clear, sunny, hot
15-Jul-96	1.10	1.11	Fog, clearing 09:00	Clear, sunny, cool W wind
16-Jul-96	1.11	1.11	Sun, cloudy periods	Sun, cloudy,strong W
17-Jul-96	1.11	1.10	Cloudy, clear periods	Cloudy, clear periods
18-Jul-96	1.10	1.10	Overcast, clear periods	Cloudy, rain 18:30
19-Jul-96	1.08	1.07	Overcast, rain	Overcast, rain
20-Jul-96	1.06	1.06	Overcast, rain	Overcast, rain
21-Jul-96	1.06	1.06	Cloudy, clear breaks	Cloudy, sunny 17:00
22-Jul-96	1.05	1.05	Cloudy, clearing 11:30	Clear, sunny, hot, strong W
23-Jul-96			Fog, cold	Hot, sunny
24-Jul-96			Fog, clear 10:30	Clear, sunny, hot
25-Jul-96	1.05	1.05	Fog, clear 11:00	Sunny, hot
26-Jul-96	1.05	1.05	Fog, clear 11:30	Sunny, hot
27-Jul-96	1.05	1.04	Fog, clear 11:30	Sunny, hot
28-Jul-96	1.05	1.05	Fog, clear 10:30	Sunny, hot
29-Jul-96	1.06	1.06	Fog, clear 12:00	Sunny, hot
30-Jul-96	1.06	1.06	Clear, sunny	Clear, sunny
31-Jul-96	1.06	1.06	Clear, sunny	Clear, overcast 17:00
1-Aug-96	1.05	1.04	Overcast	Overcast, rain
2-Aug-96	1.01	1.02	Overcast	Overcast
3-Aug-96	1.01	1.01	Overcast, drizzle	Overcast
4-Aug-96	1.01	1.00	Overcast, rain	Overcast, rain, sunny periods
5-Aug-96	0.11	0.10	Sunny, warm	Sunny, hot
6-Aug-96	0.09	0.09	Overcast, bright	Sunny, hot

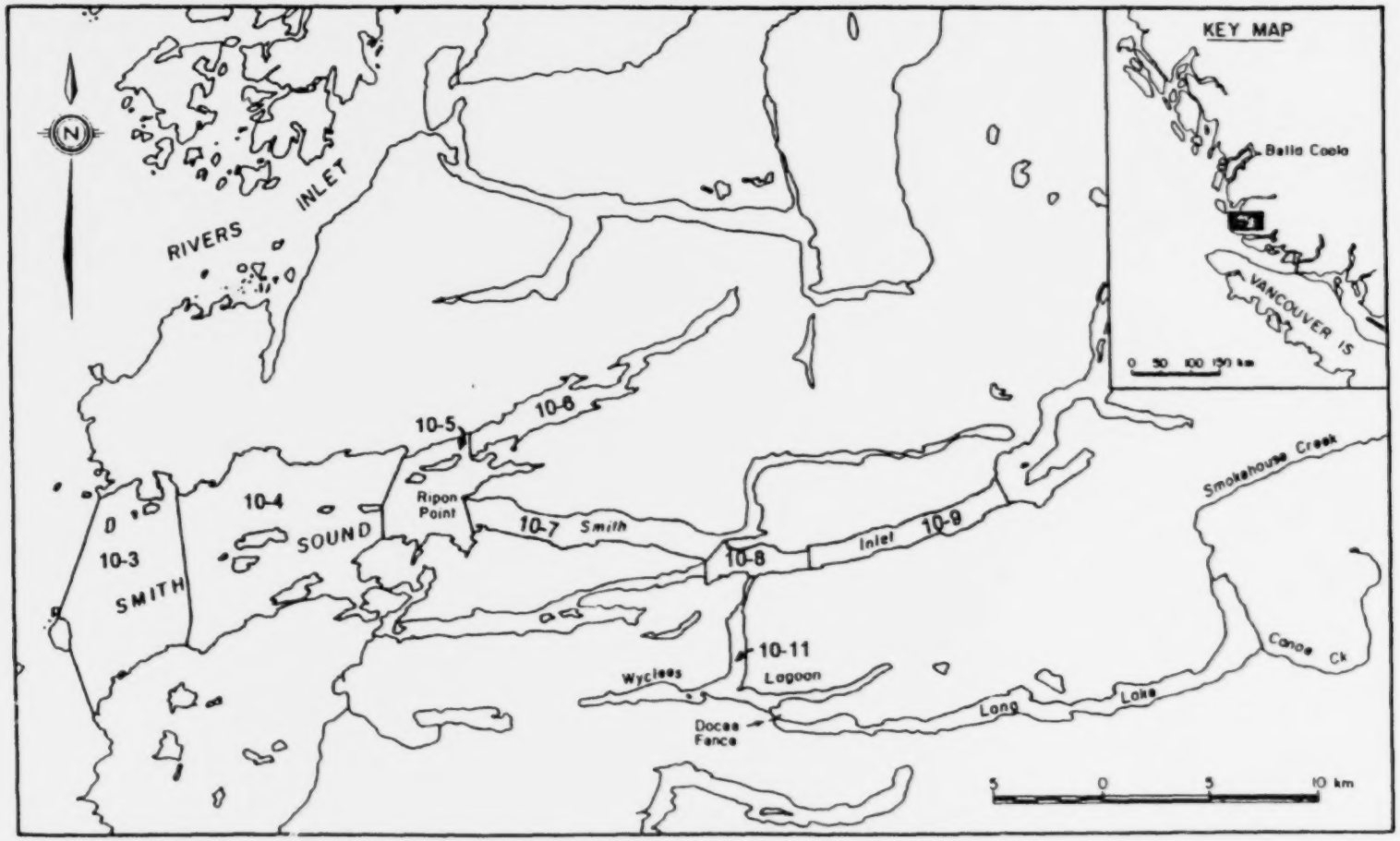

Figure 1. Location of the Docee River Fence, Smith Inlet and Area 10 commercial fishing areas.

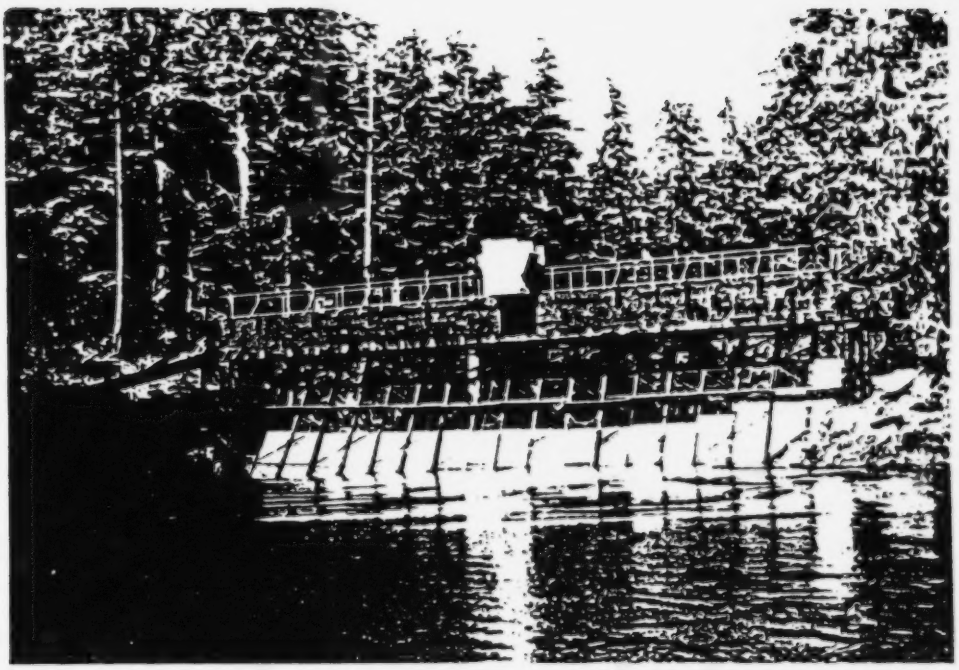

Figure 2. Docee River Fence

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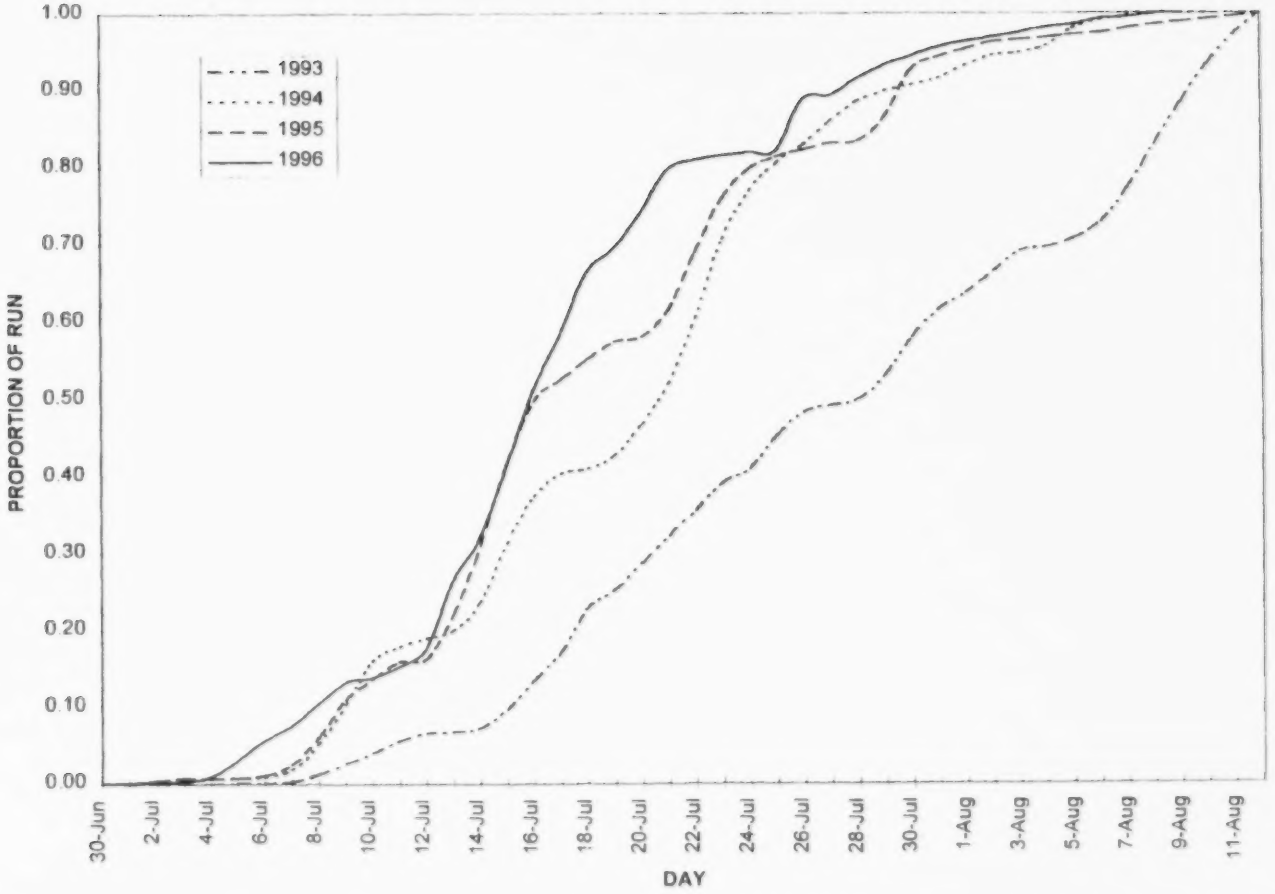

Figure 3. Cumulative run timing curves past the Docee Fence, 1993-1996, using reconstructed sockeye fence counts.

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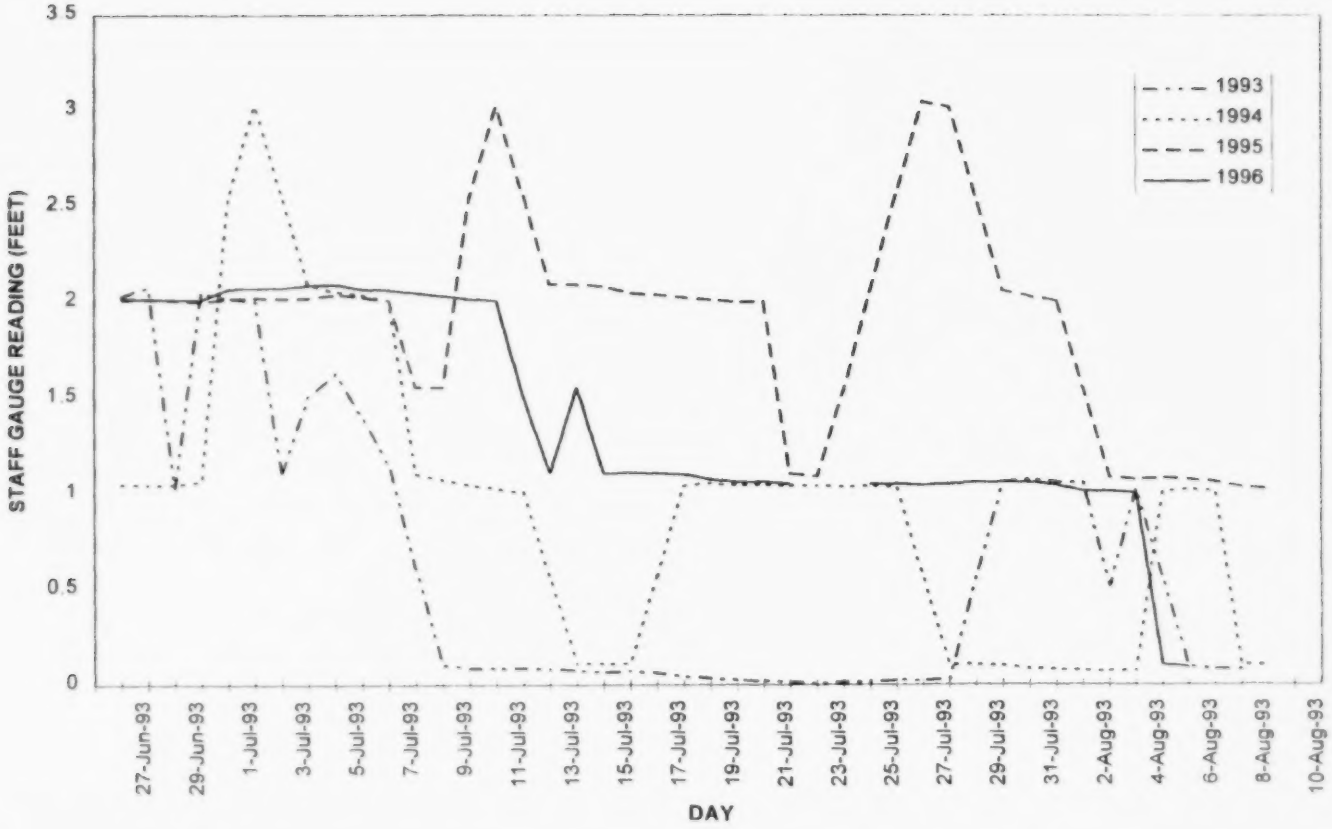

Figure 4. Average daily water staff gauge readings recorded at the Docee Fence, 1993-1996.